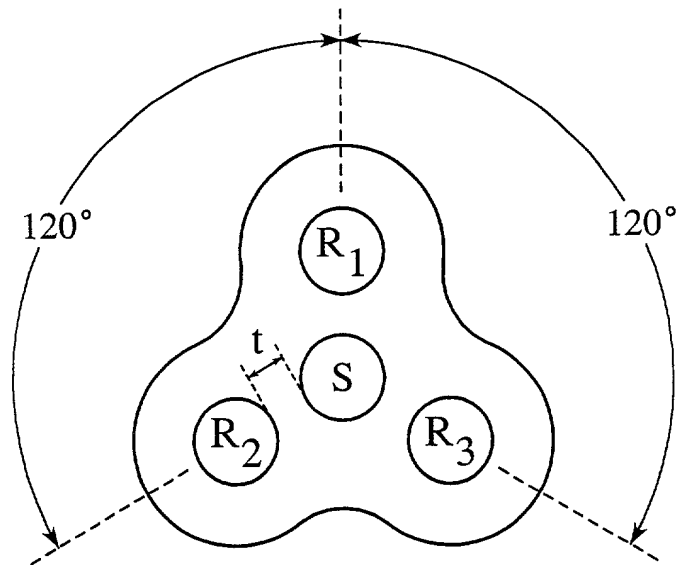


FIG. 1



R - LIGHT RECEIVER FIBER OPTICS  
S - LIGHT SOURCE FIBER OPTIC

FIG. 2

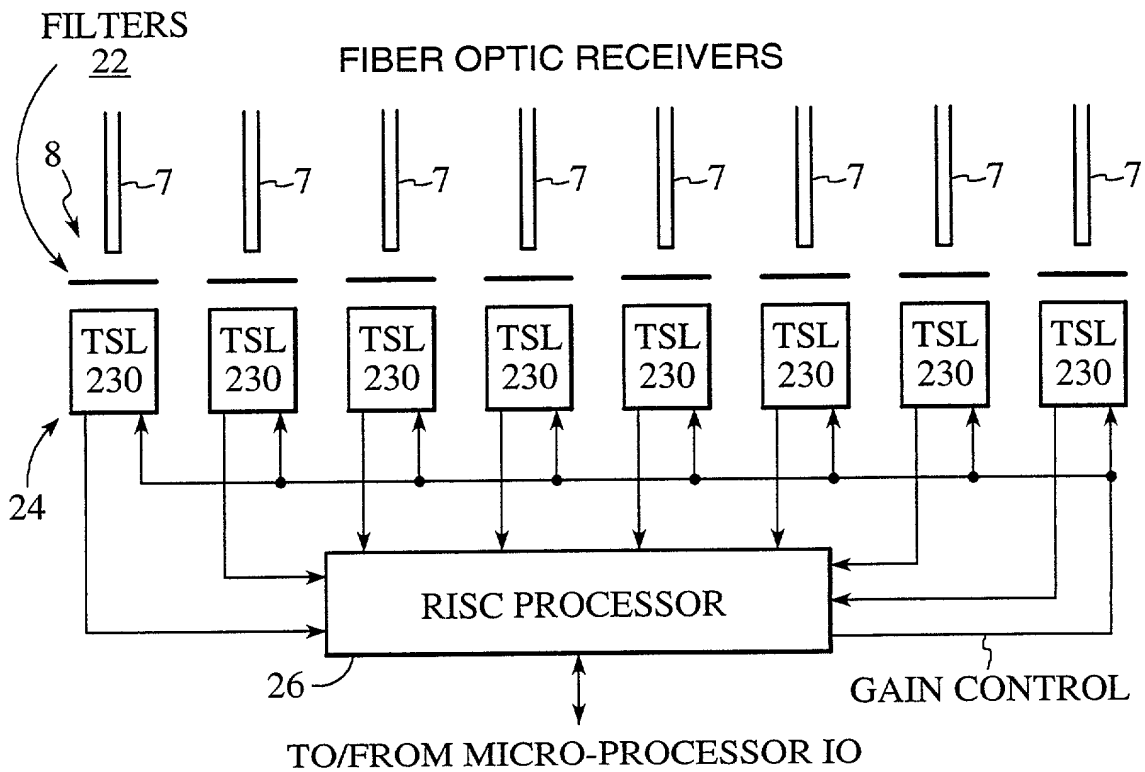


FIG. 3

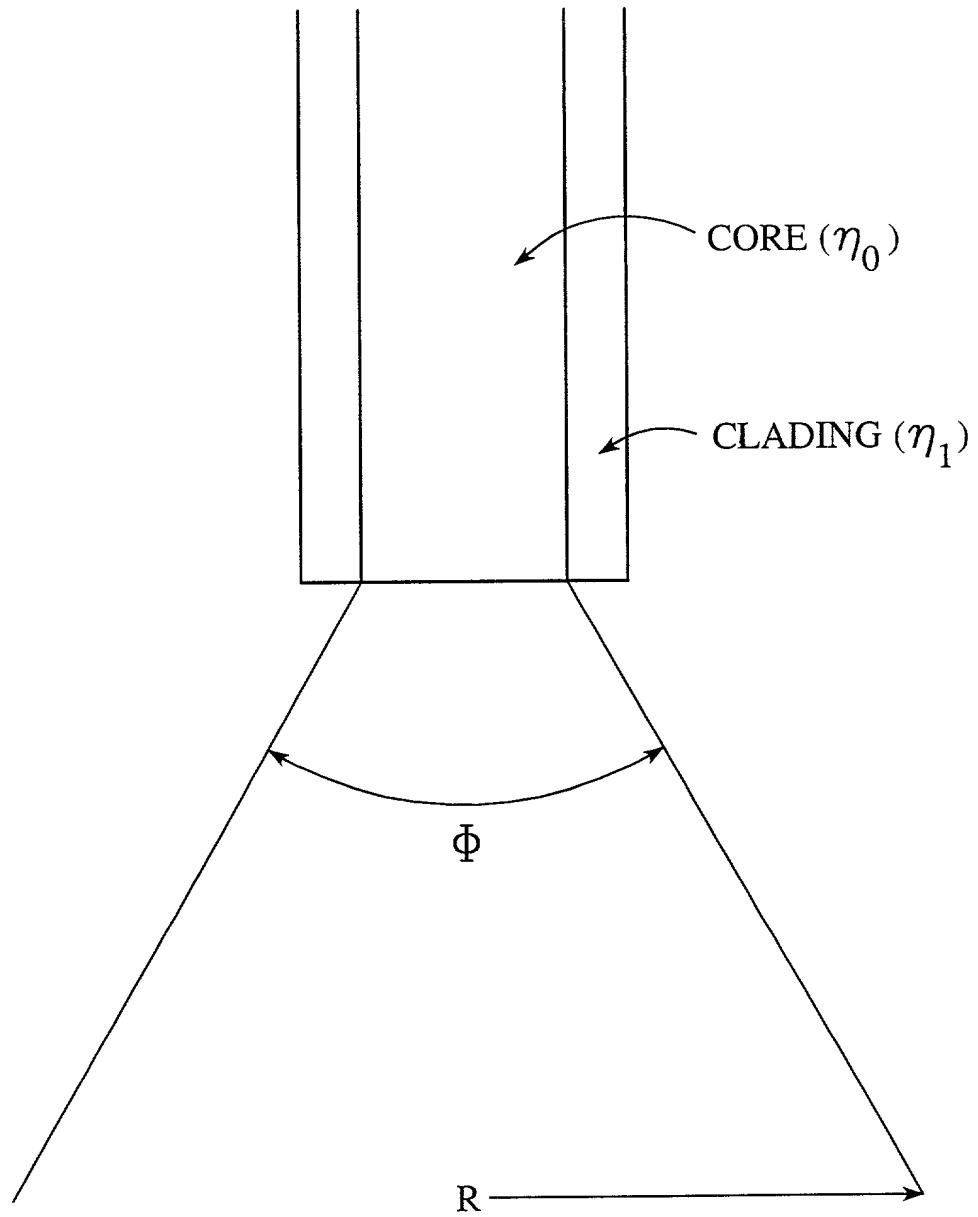


FIG. 4A

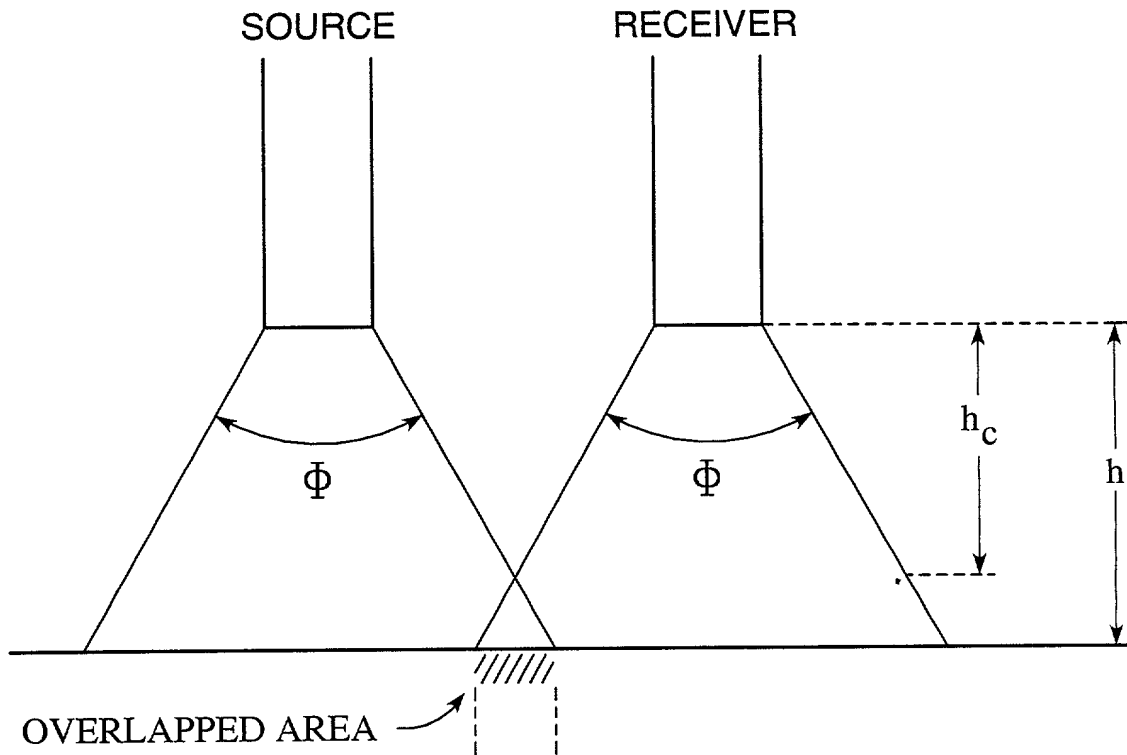


FIG. 4B

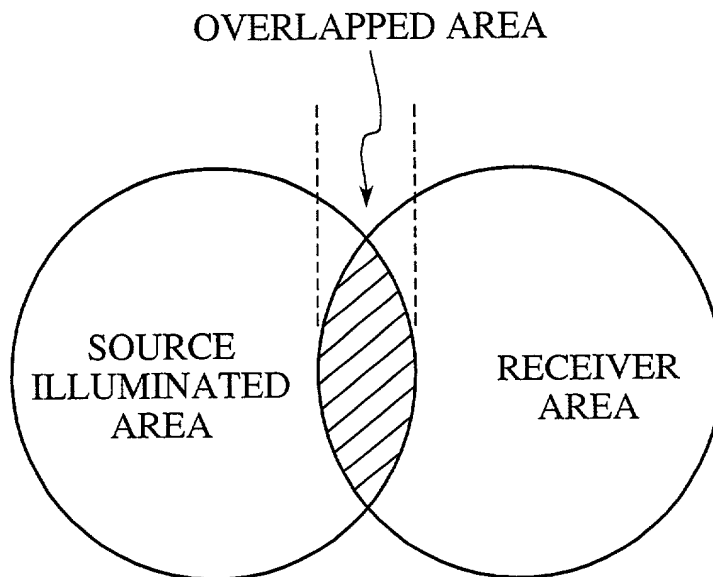


FIG. 4C

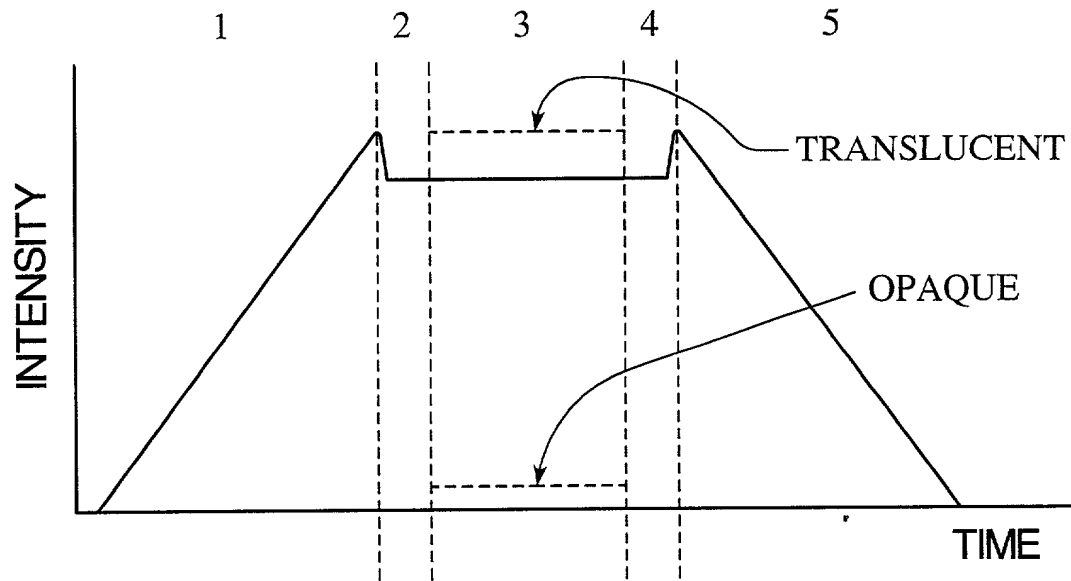


FIG. 5A

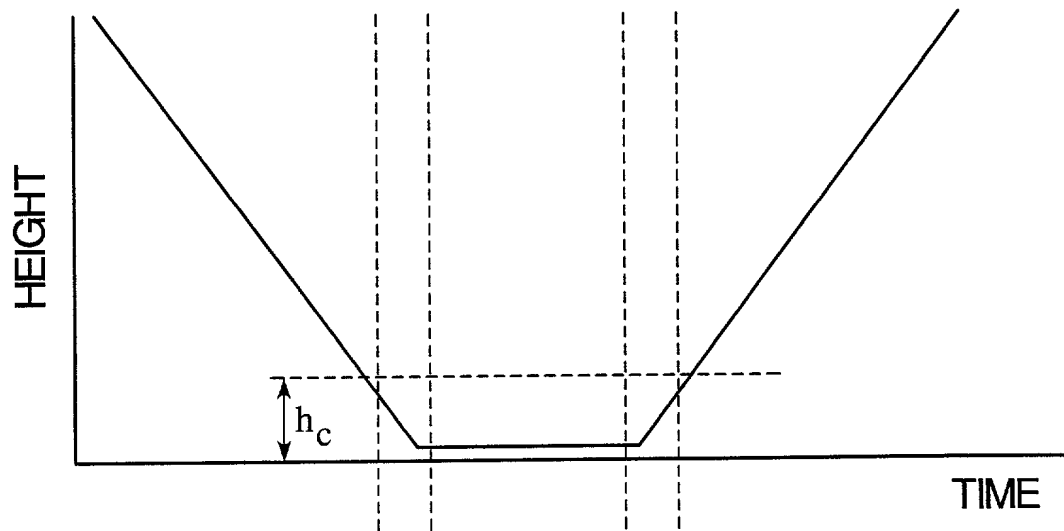
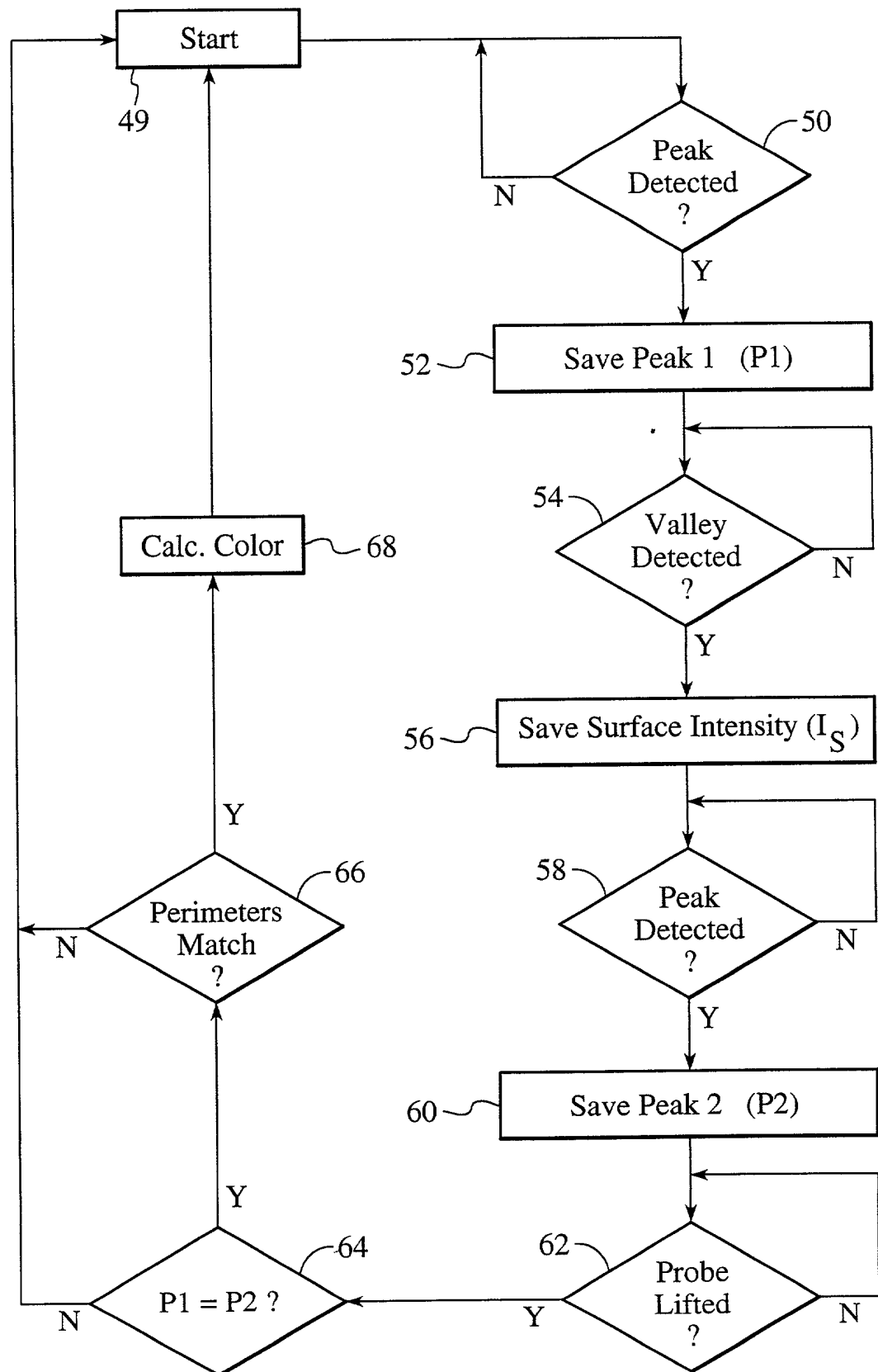


FIG. 5B

FIG. 6



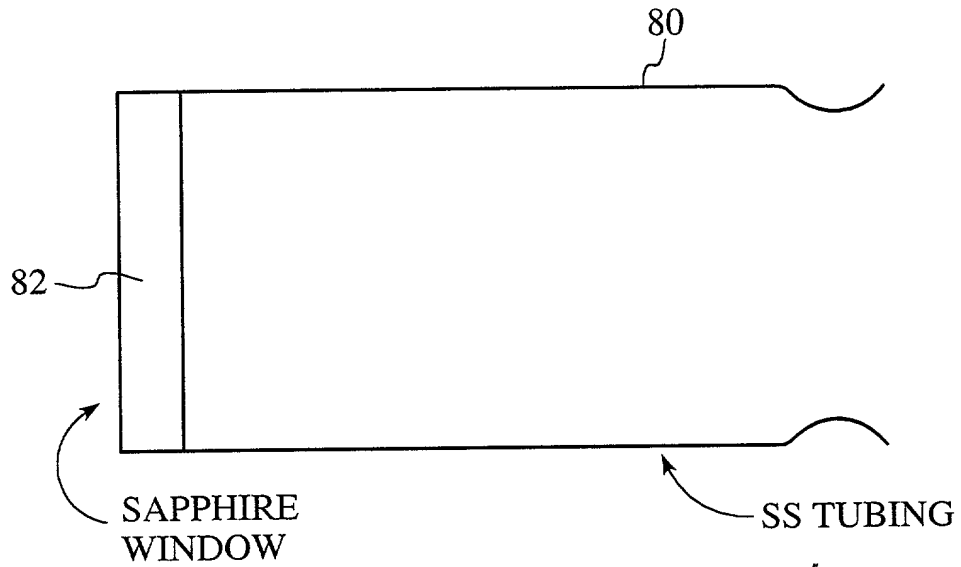


FIG. 7A

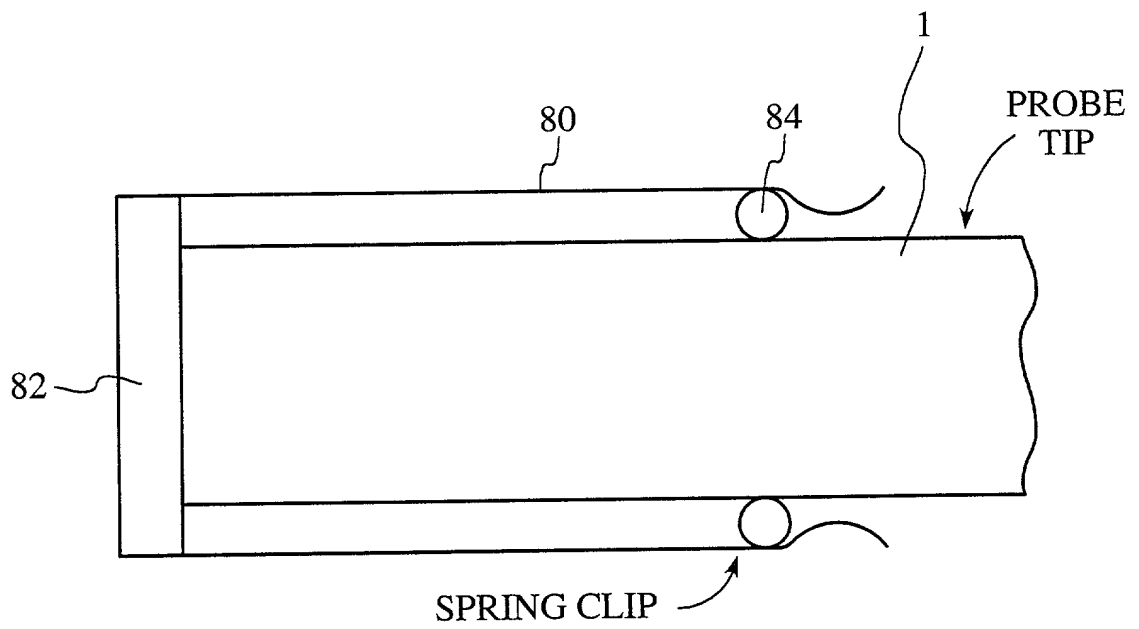


FIG. 7B

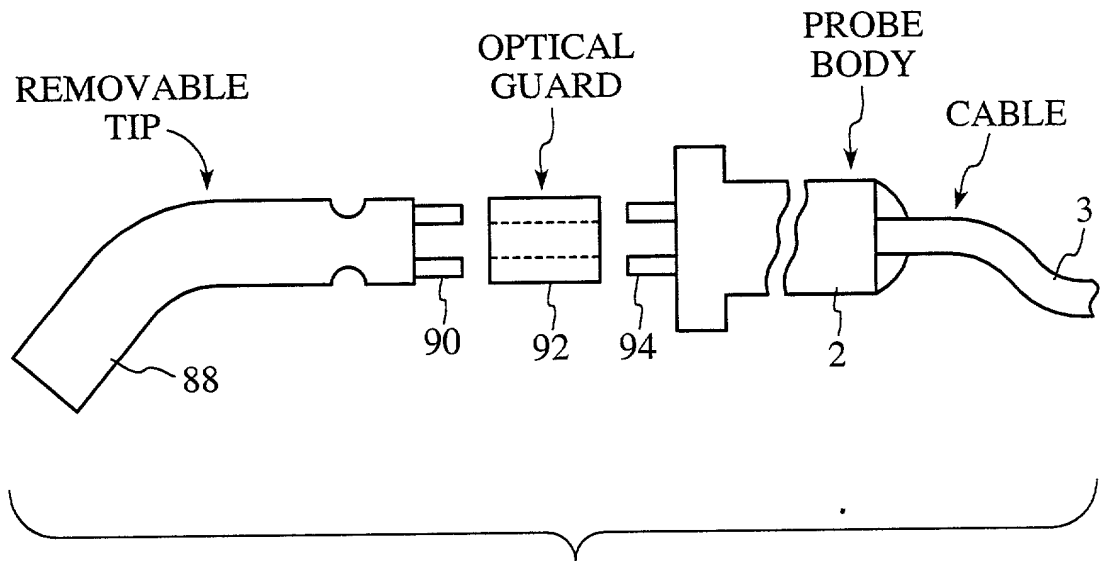


FIG. 8A

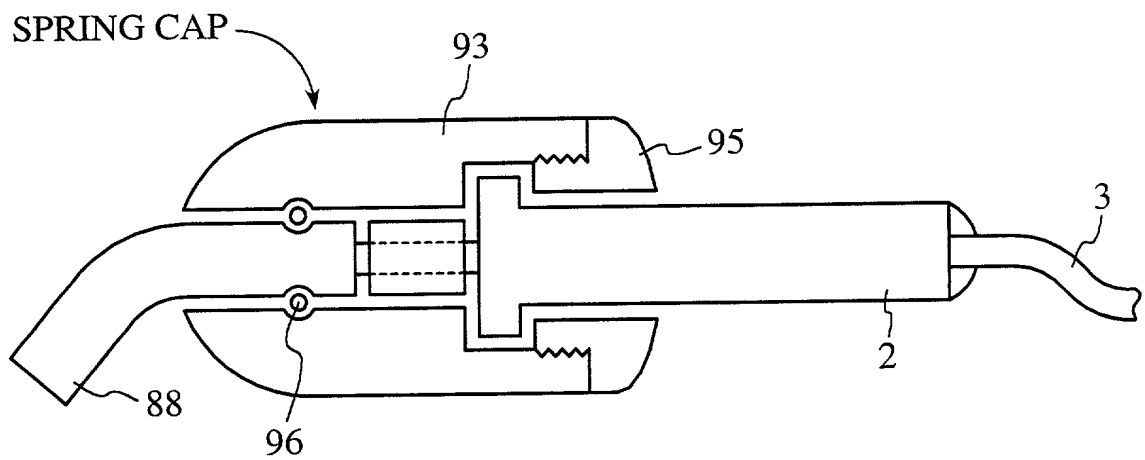
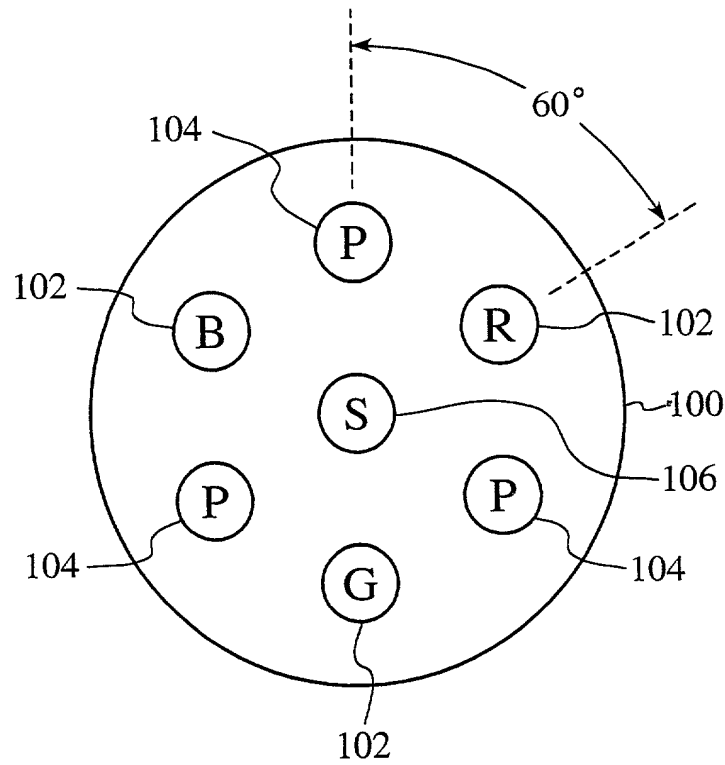


FIG. 8B





S - LIGHT SOURCE FIBER  
 R - RED RECEIVER  
 G - GREEN RECEIVER  
 B - BLUE RECEIVER  
 P - NEUTRAL (FULL BAND) RECEIVERS

FIG. 9

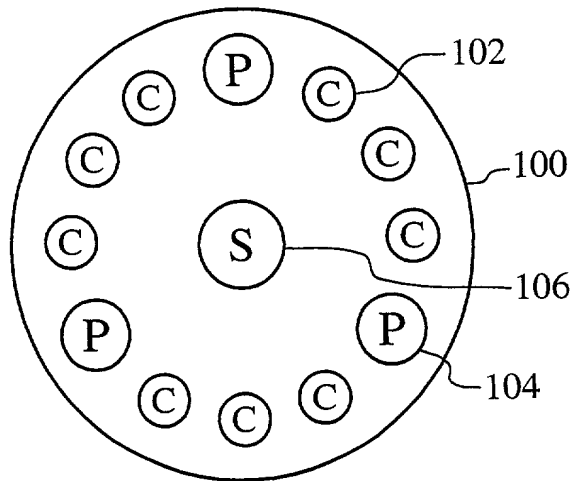


FIG. 10A

S - LIGHT SOURCE FIBER  
P - NEUTRAL (FULL BAND) RECEIVER  
C - COLOR RECEIVER

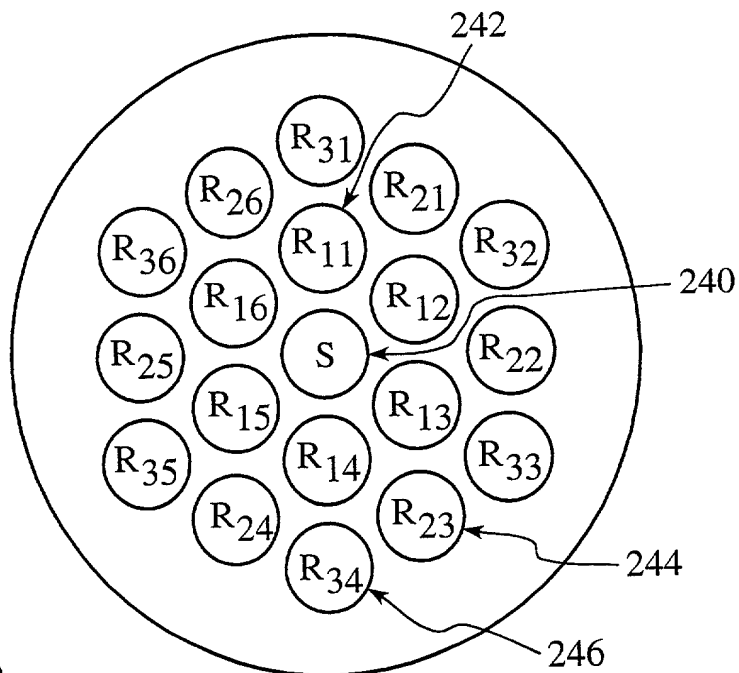


FIG. 10B

S - LIGHT SOURCE FIBER  
 $R_{1X}$  - INNER RING RECEIVER FIBER  
 $R_{2X}$  - 2nd RING RECEIVER FIBER  
 $R_{3X}$  - 3rd RING RECEIVER FIBER

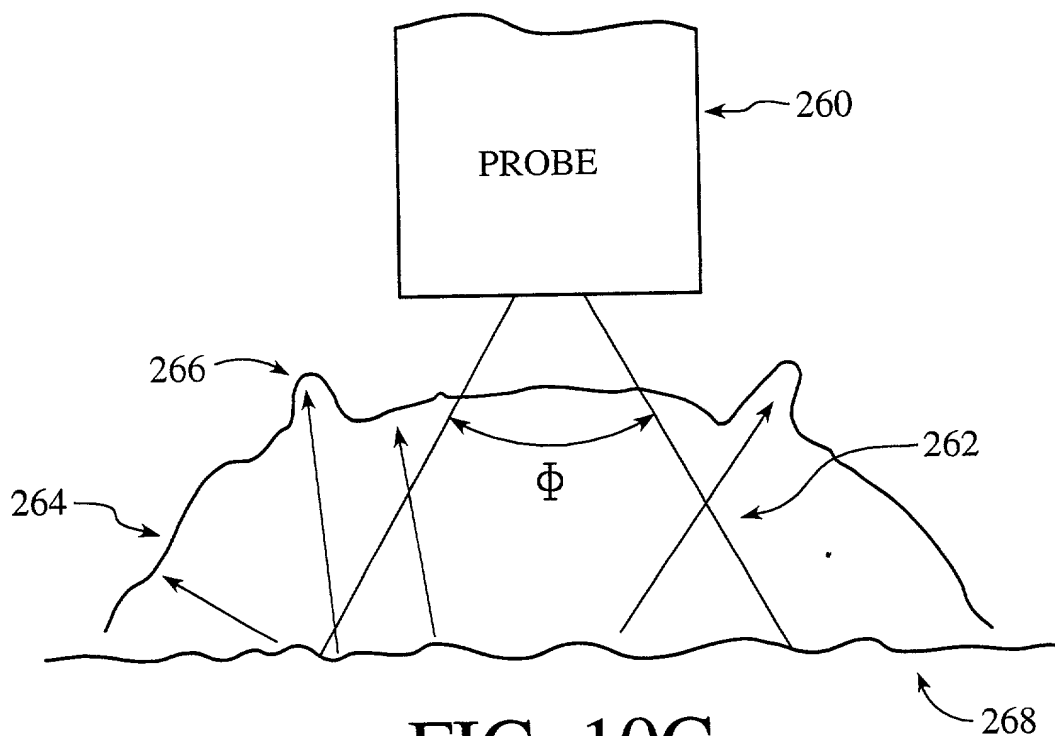


FIG. 10C

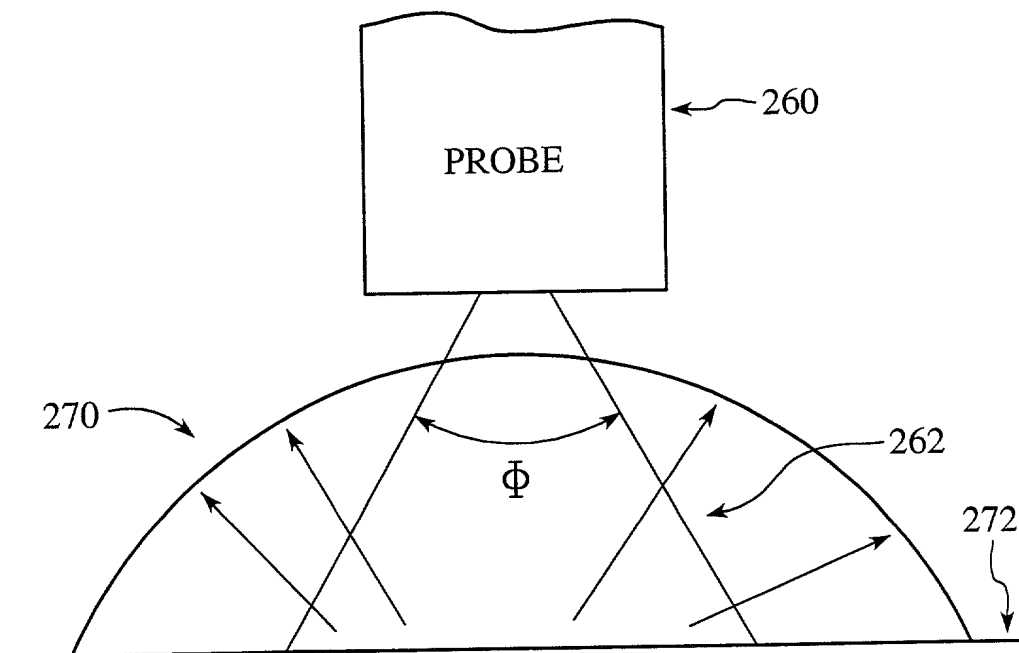


FIG. 10D

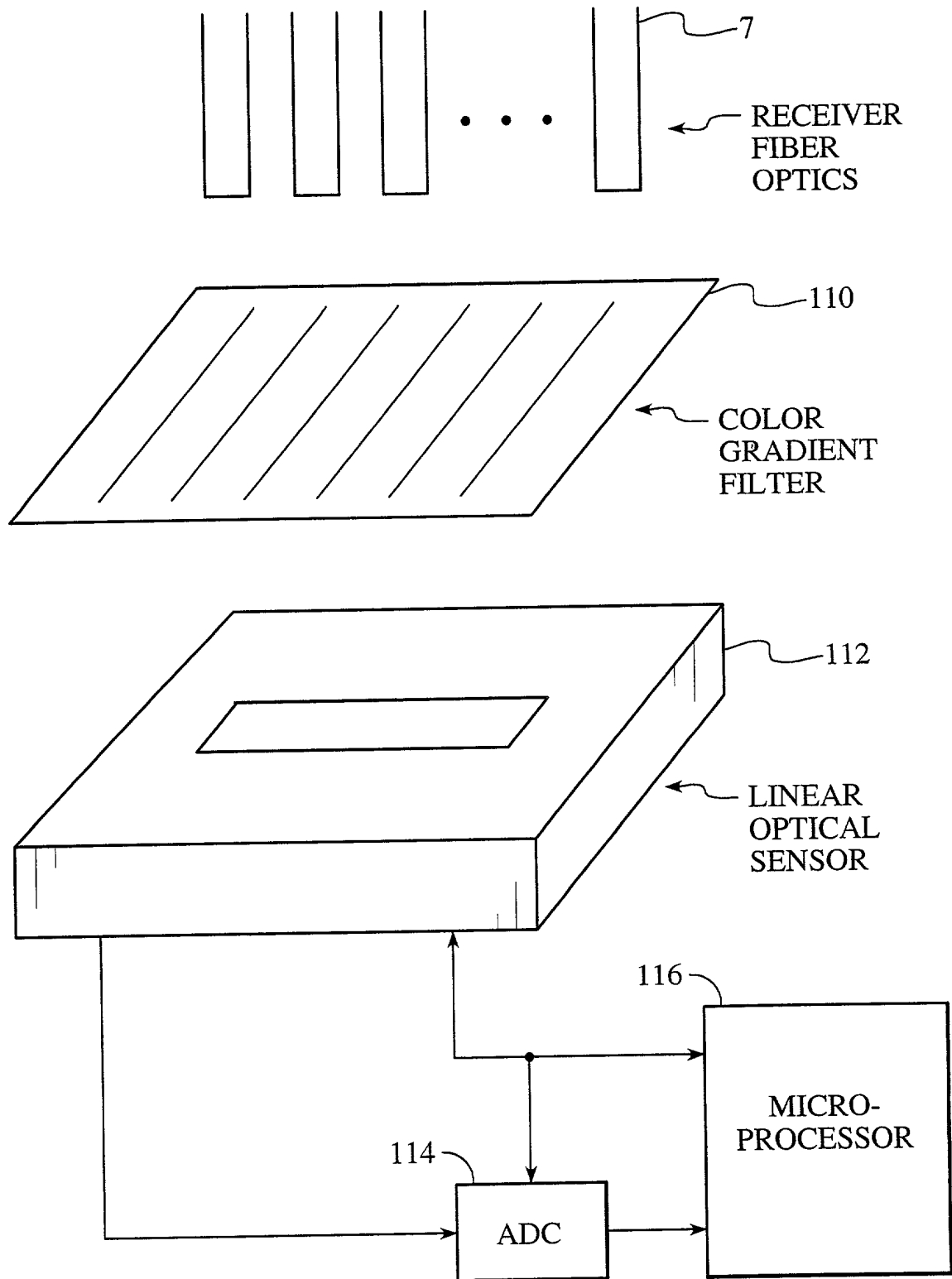


FIG. 11

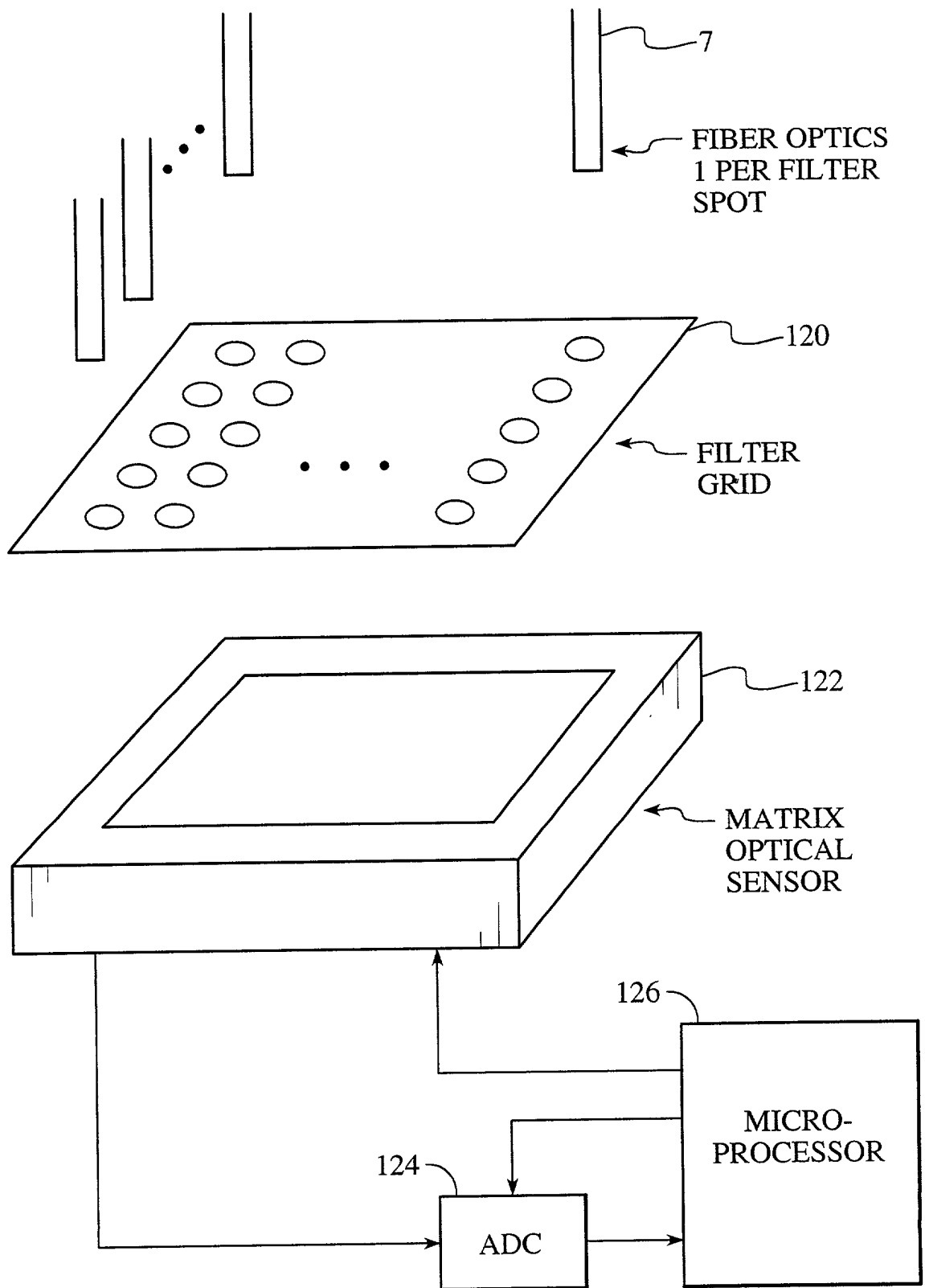


FIG. 12

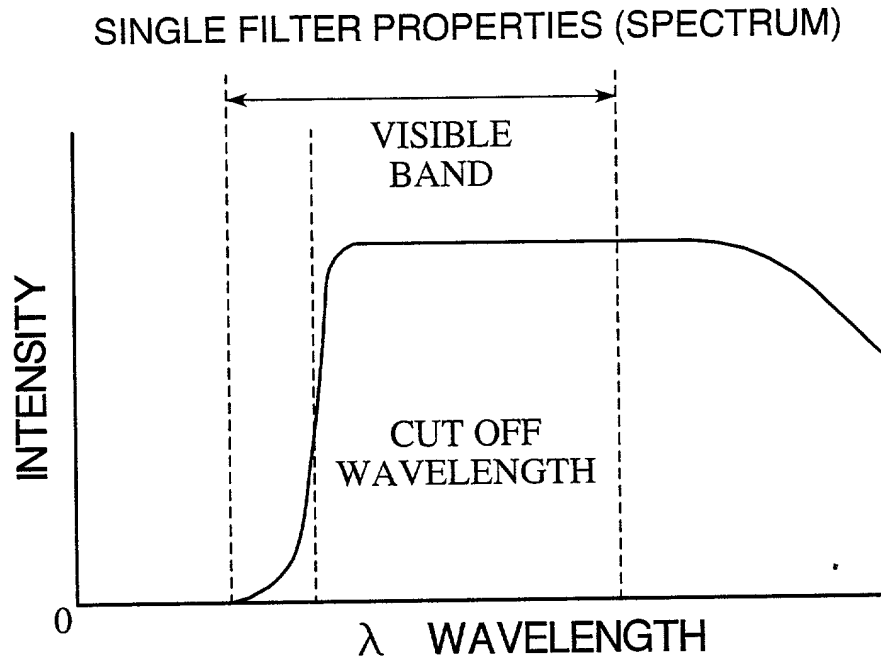


FIG. 13A

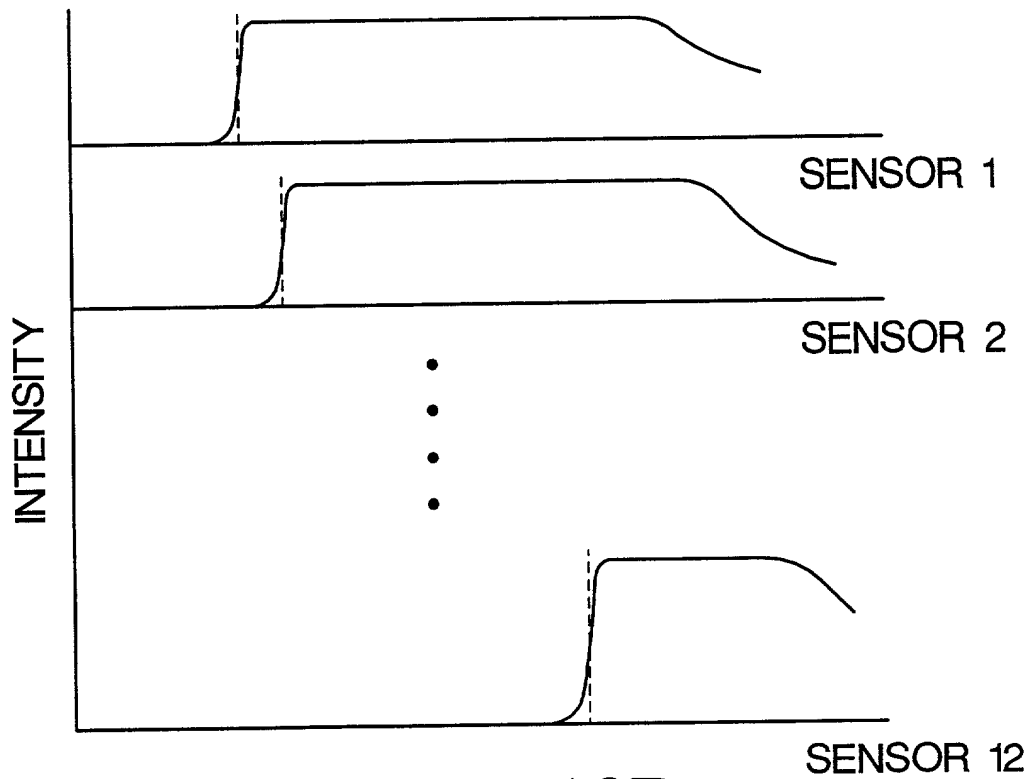


FIG. 13B

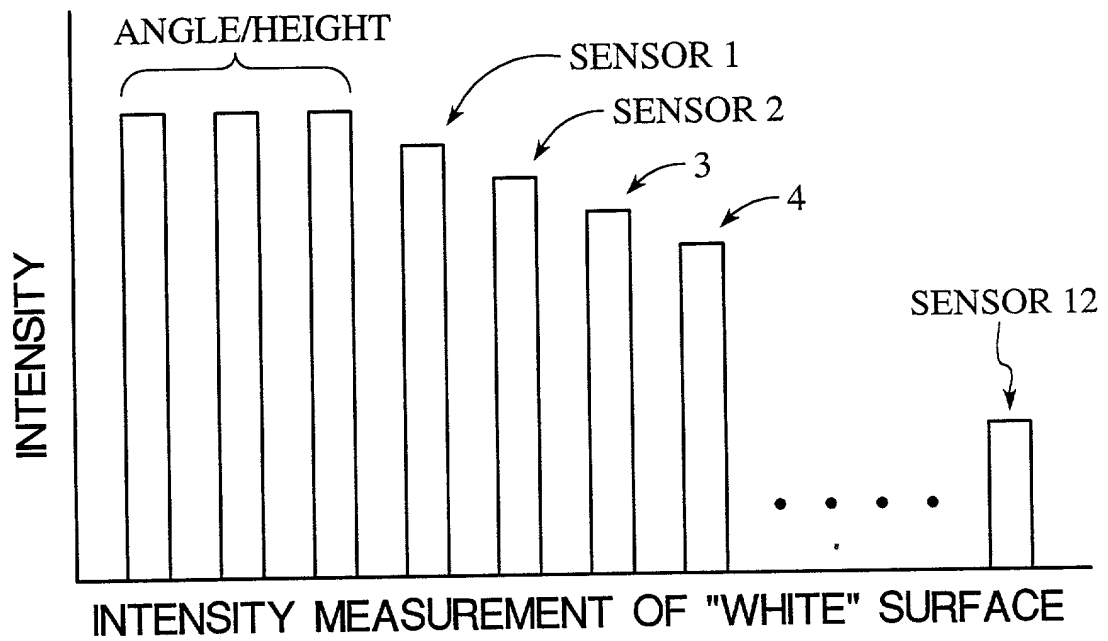


FIG. 14A

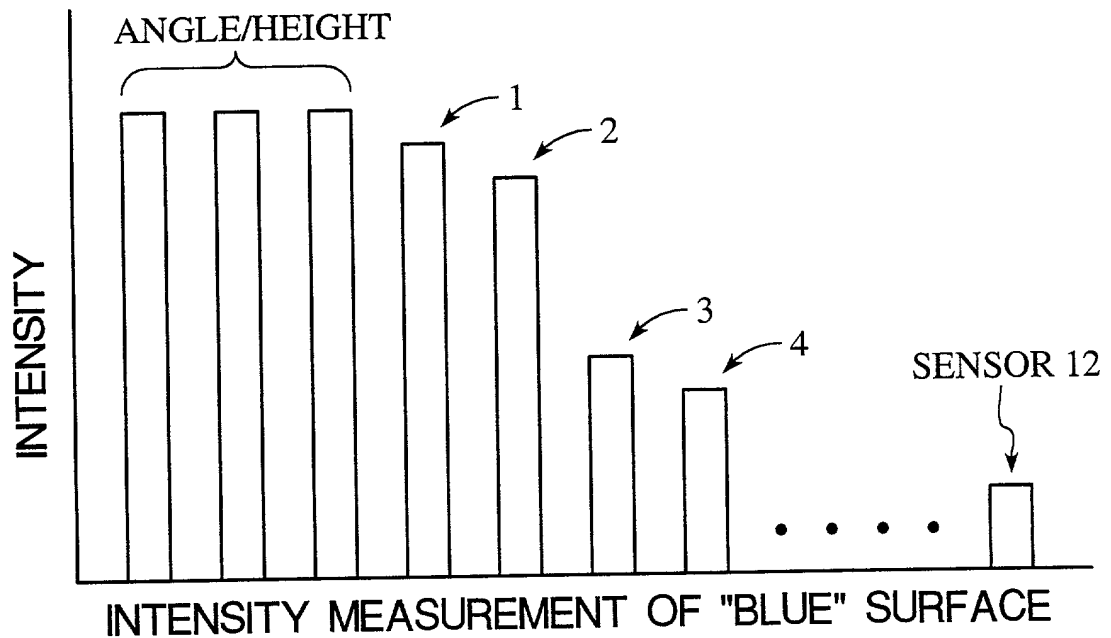


FIG. 14B

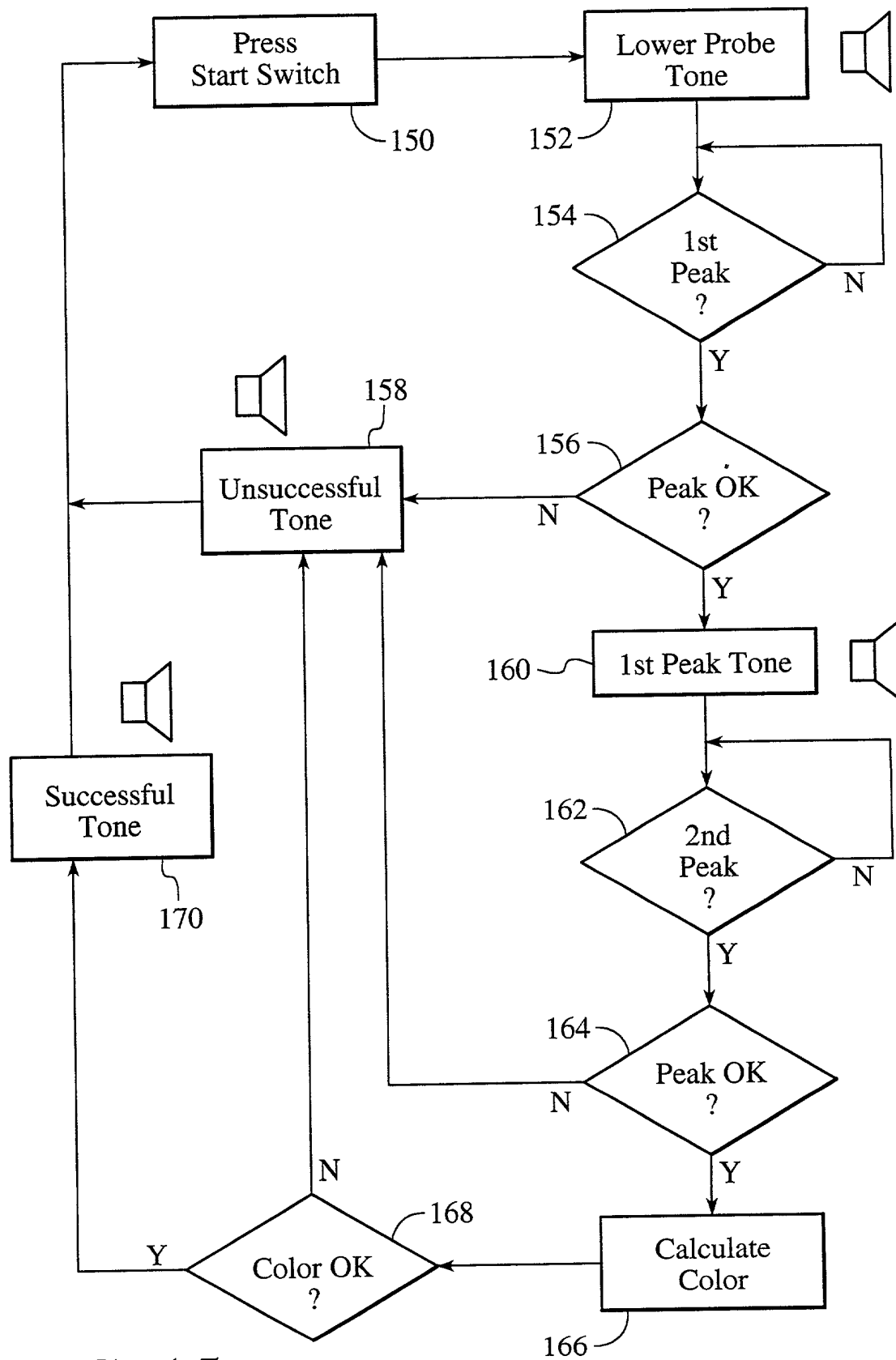


FIG. 15



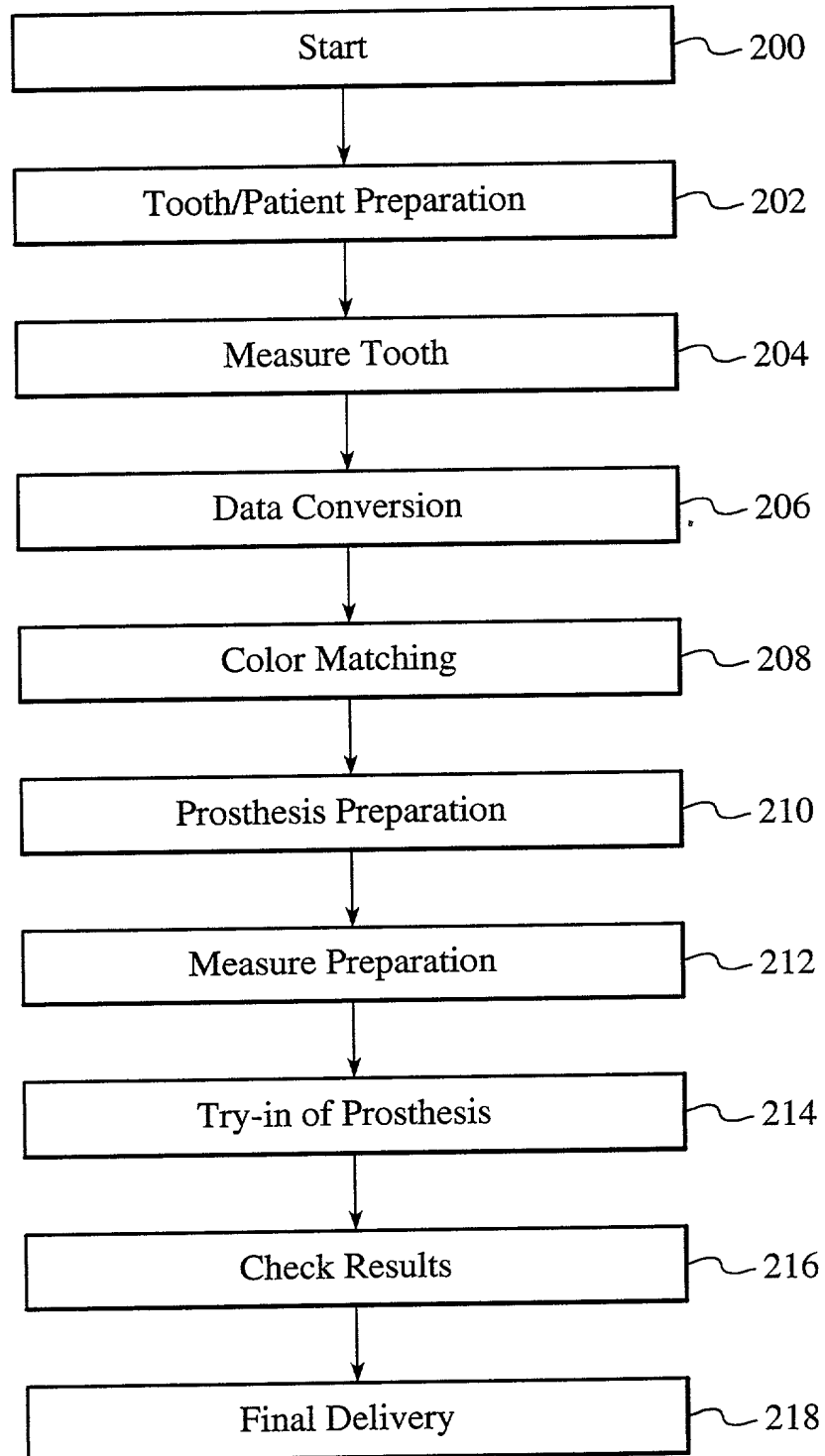


FIG. 16A

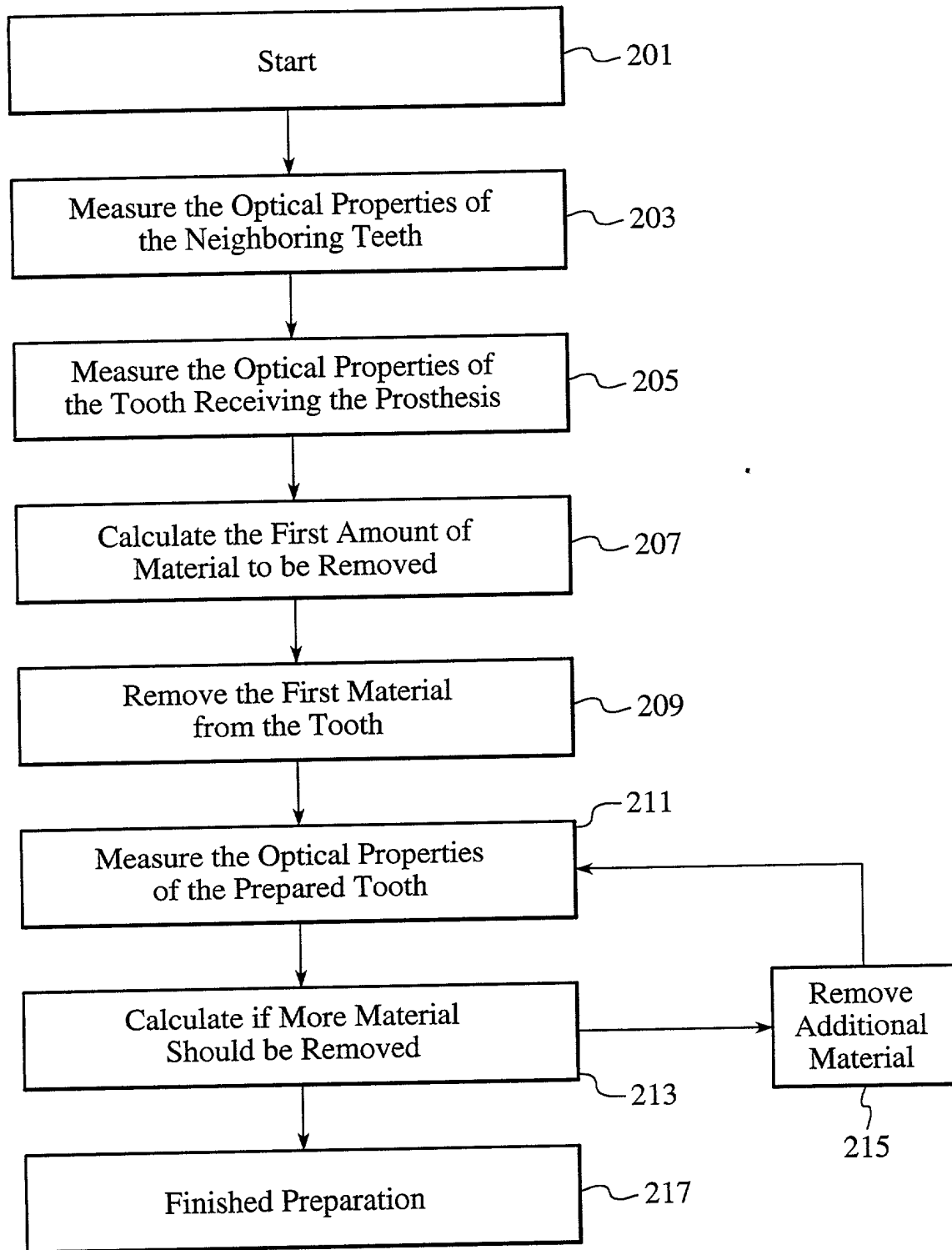


FIG. 16B

INTRAORAL POSITIONING DEVICE

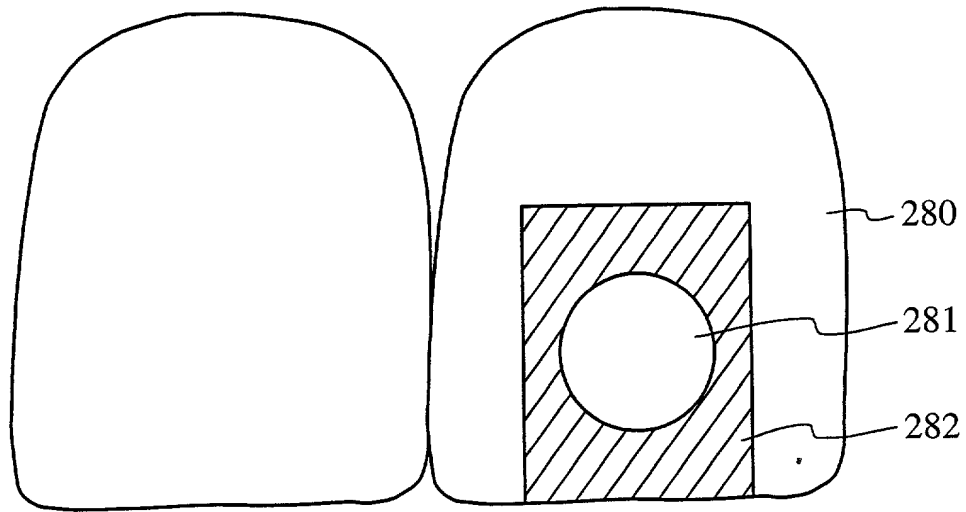


FIG. 17A

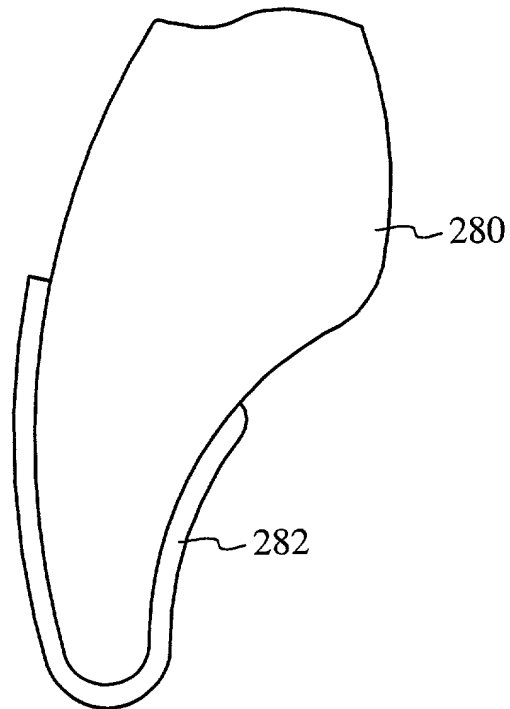


FIG. 17B

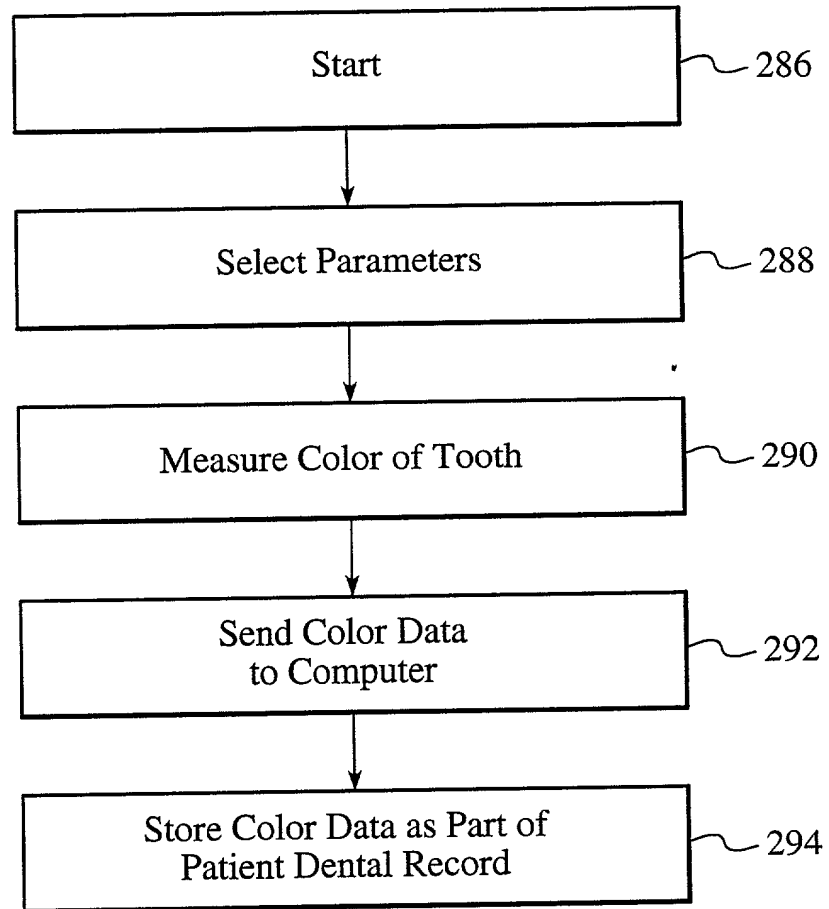


FIG. 18

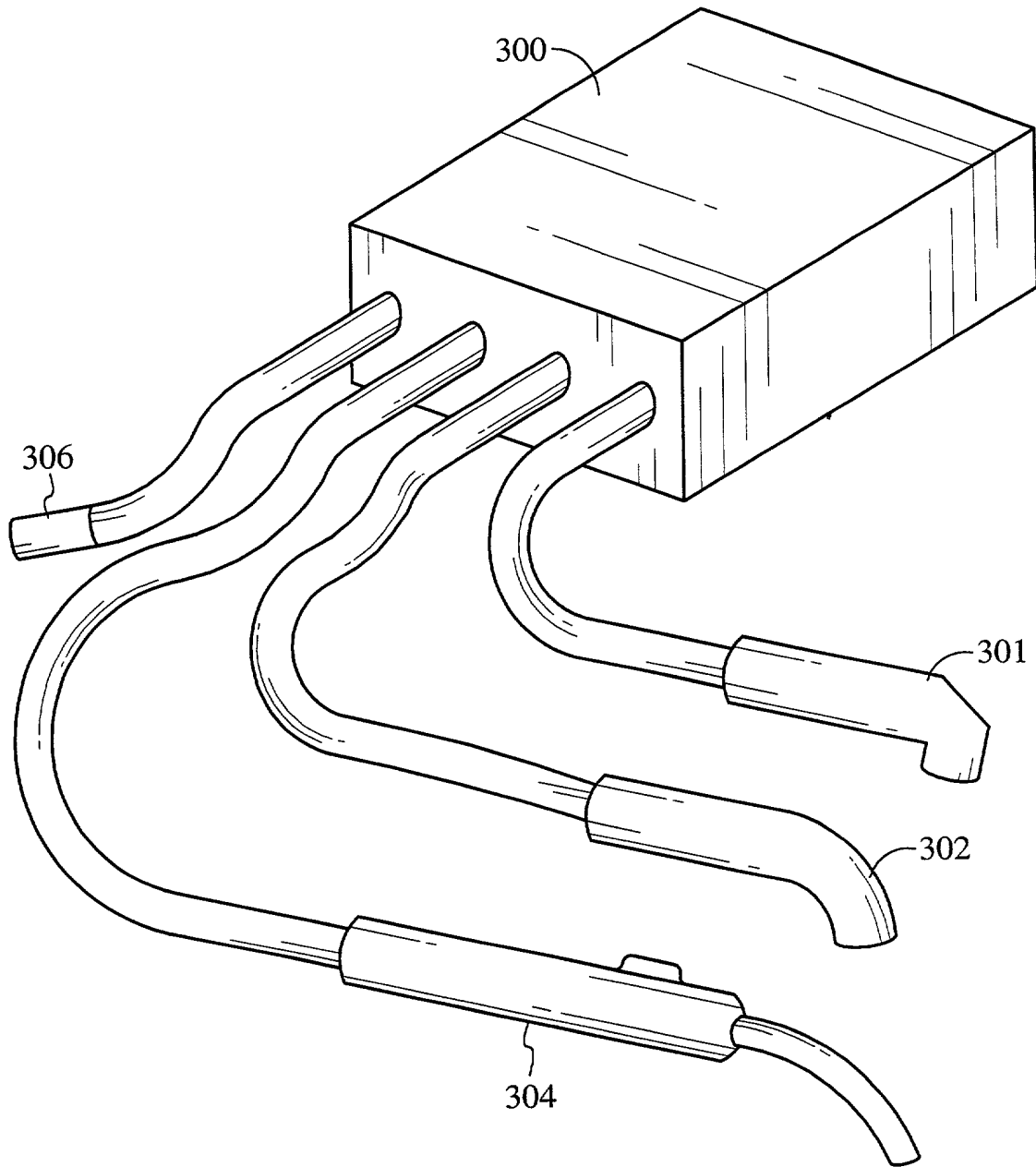


FIG. 19

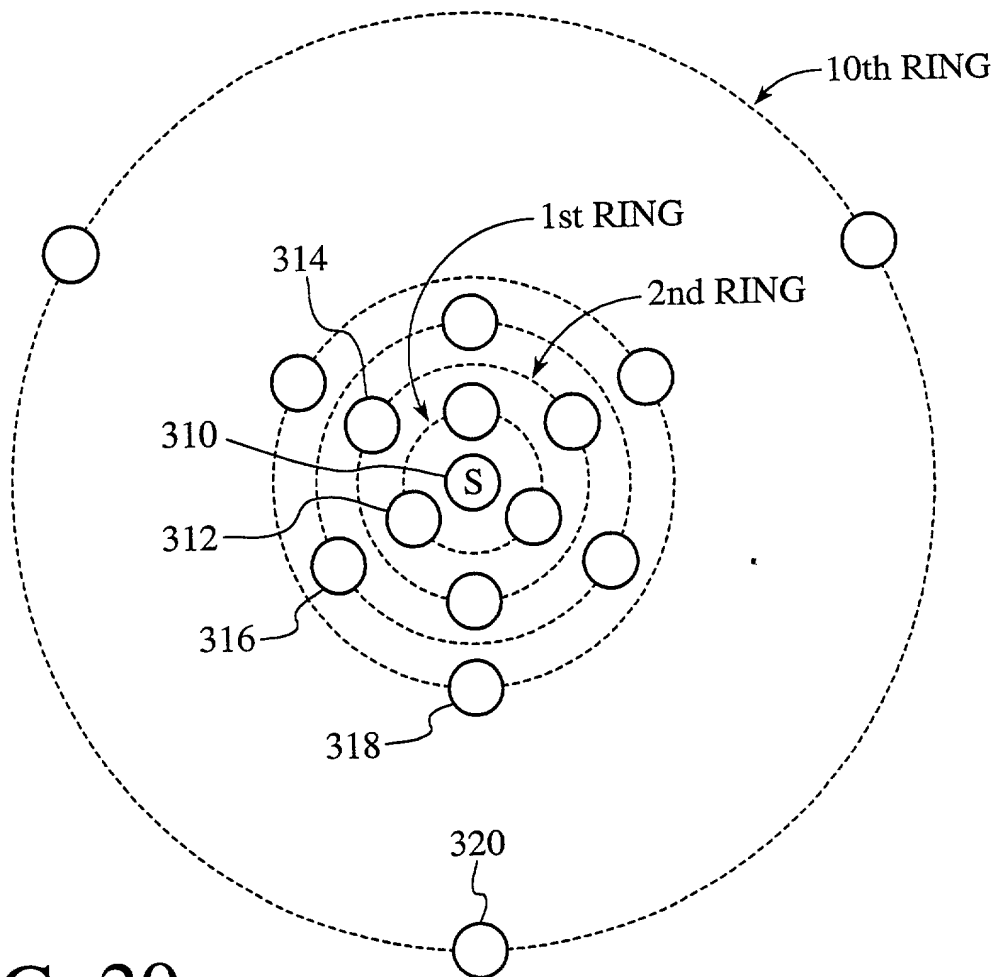


FIG. 20

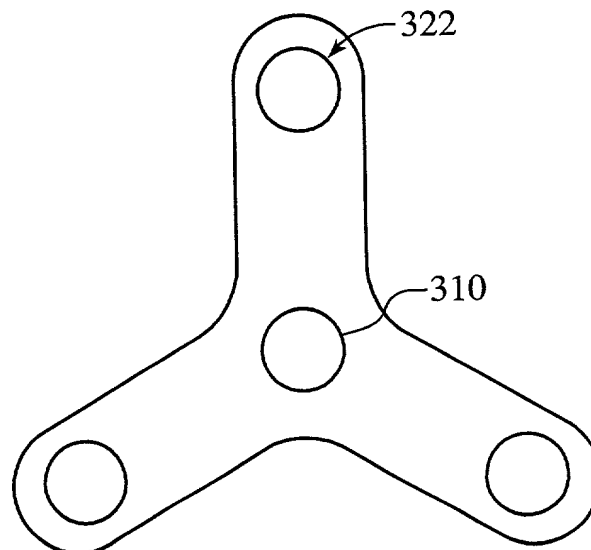


FIG. 21

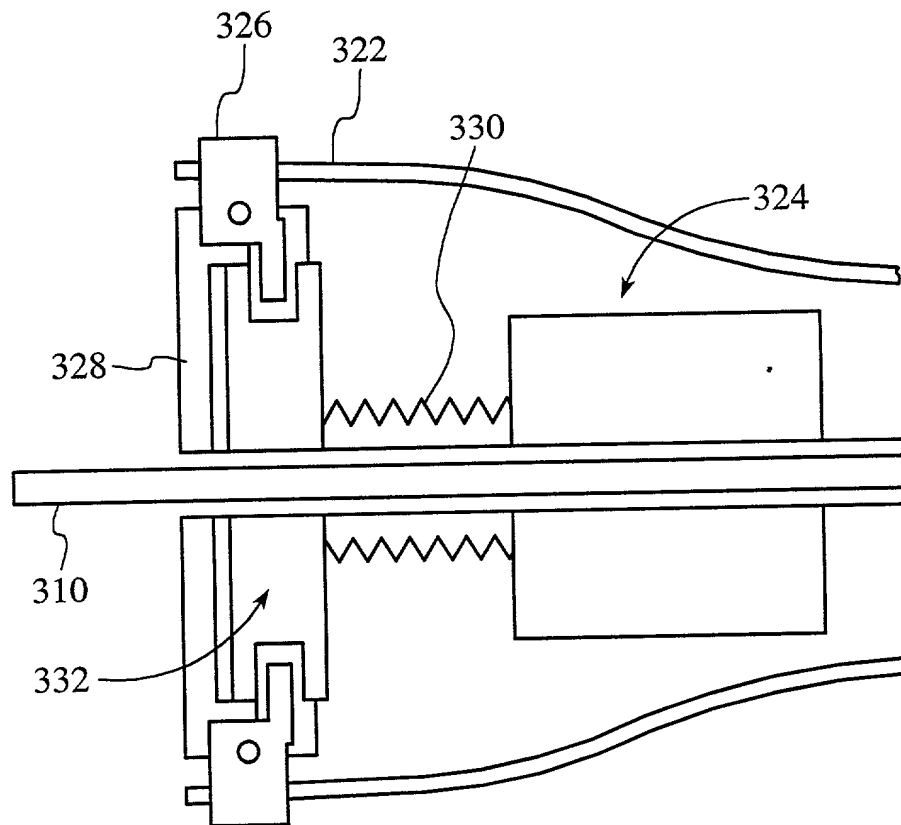


FIG. 22

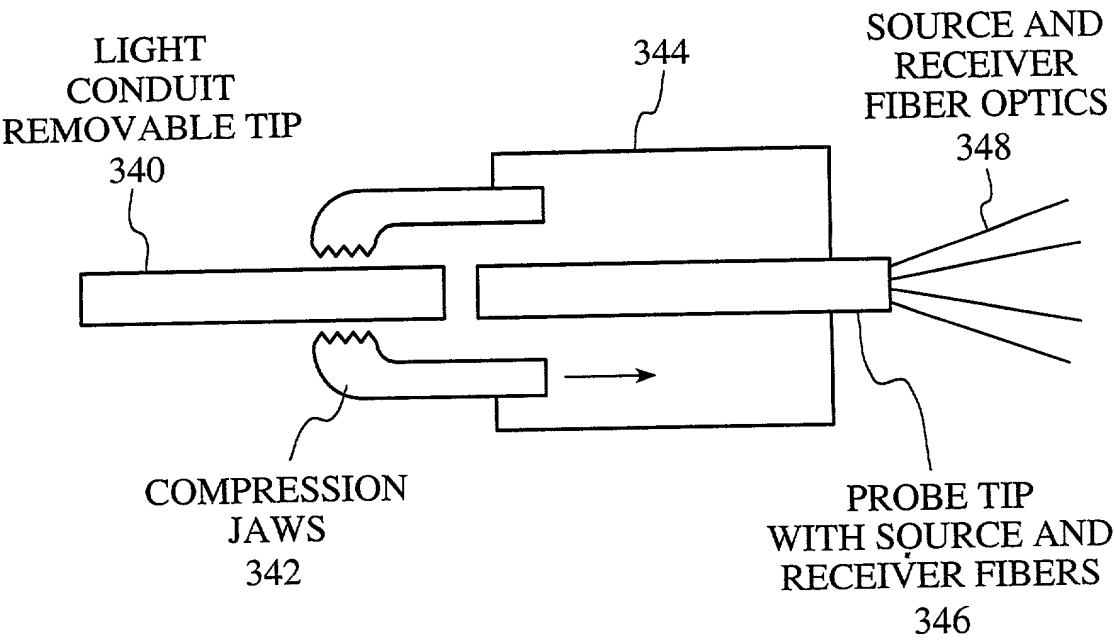


FIG. 23A

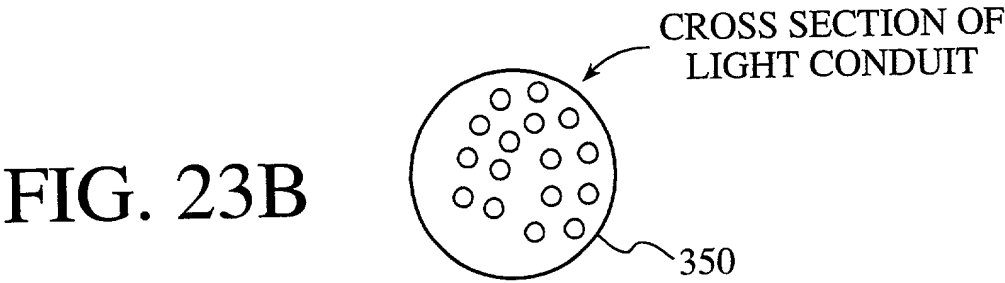


FIG. 23B

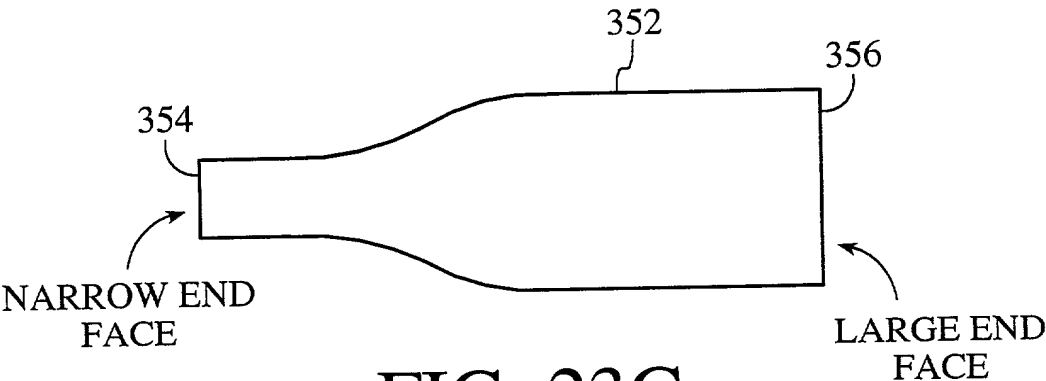


FIG. 23C



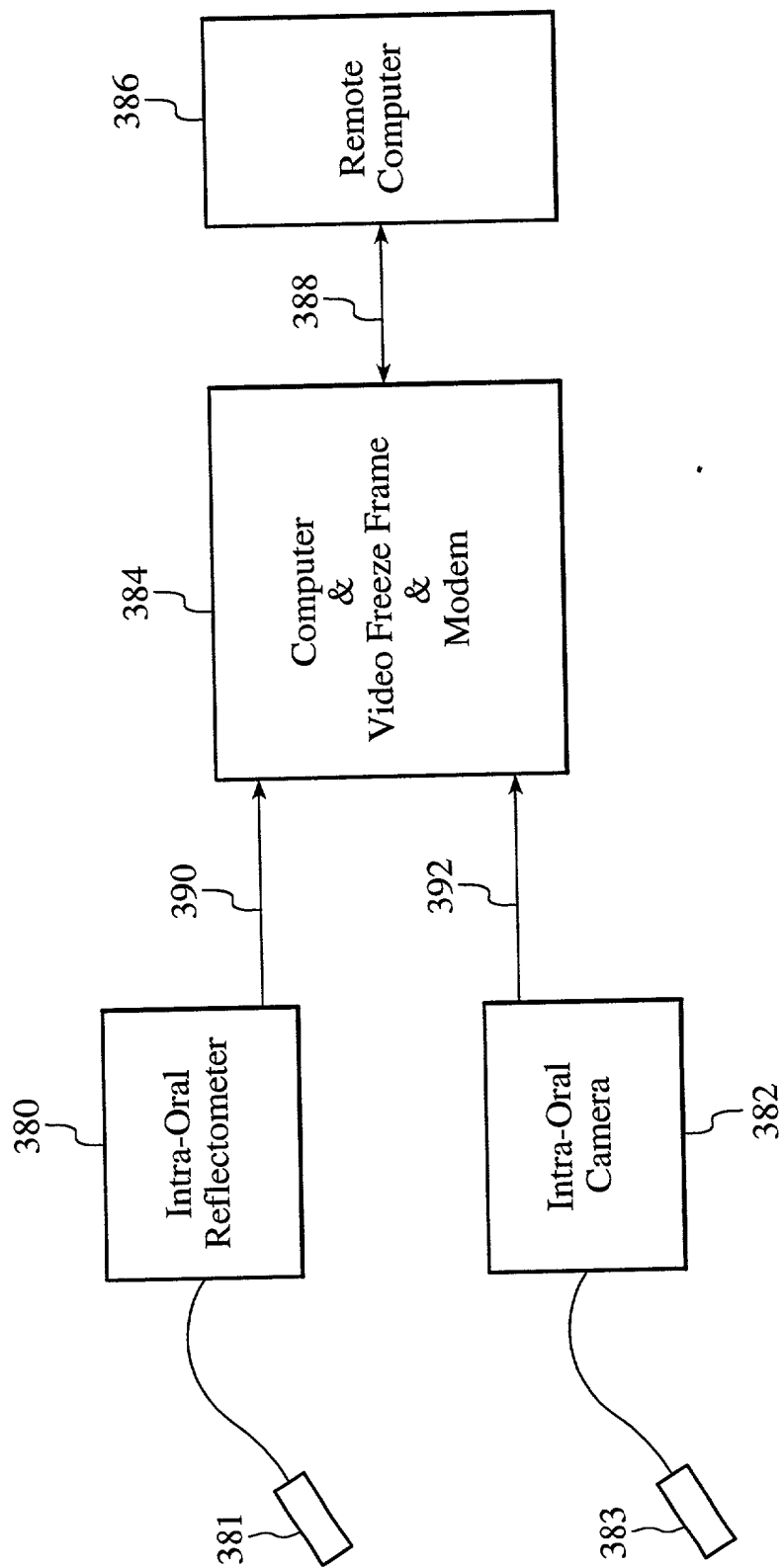


FIG. 24

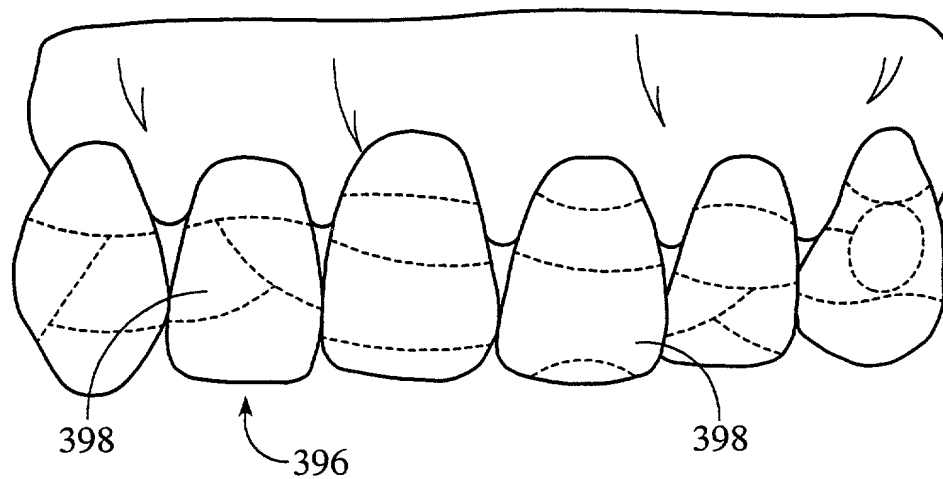


FIG. 25

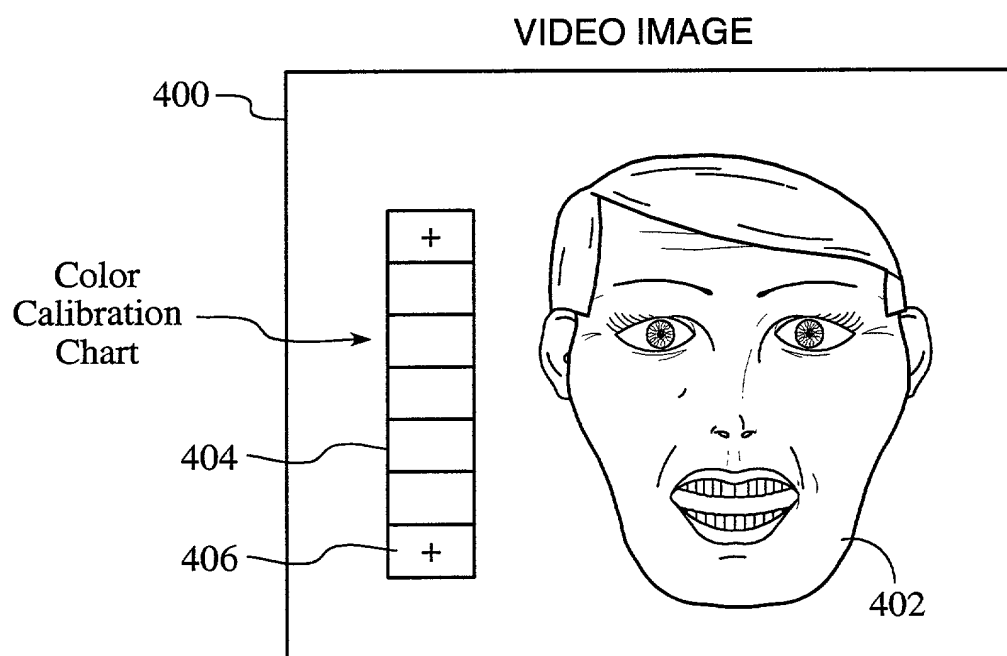


FIG. 26

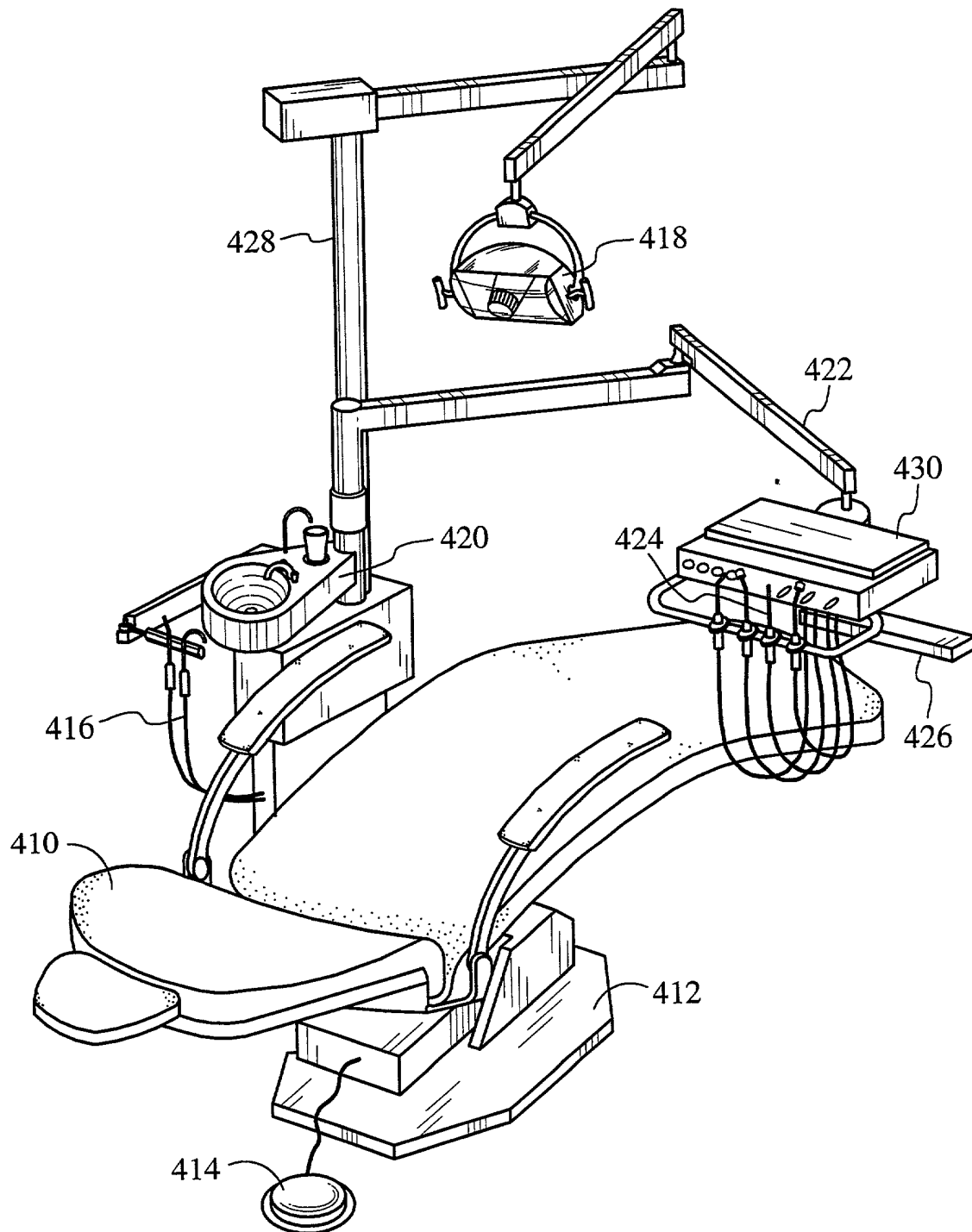


FIG. 27

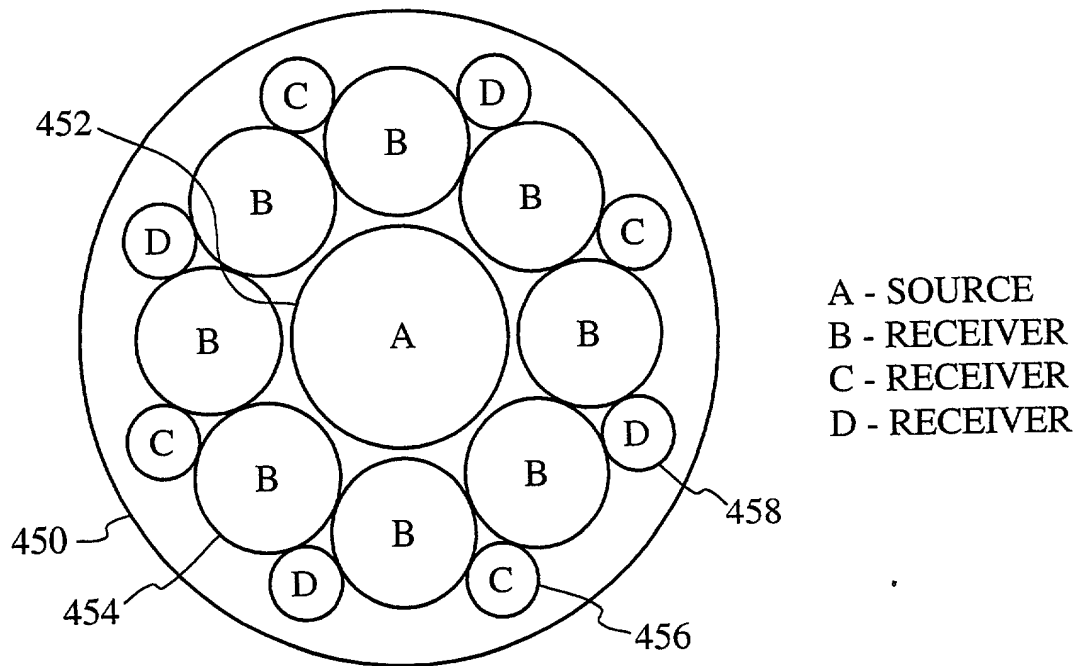


FIG. 28A

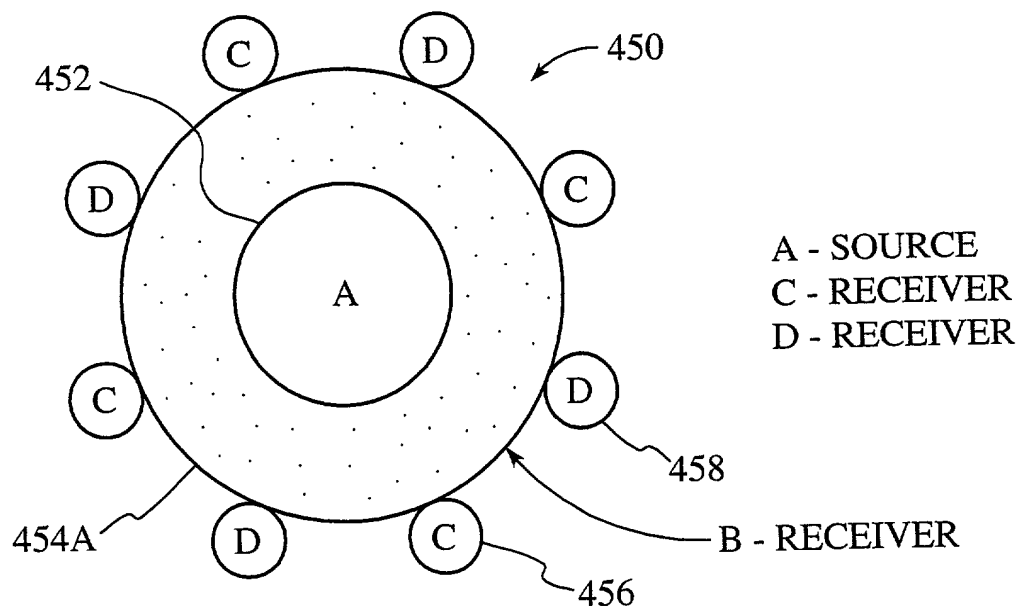


FIG. 28B

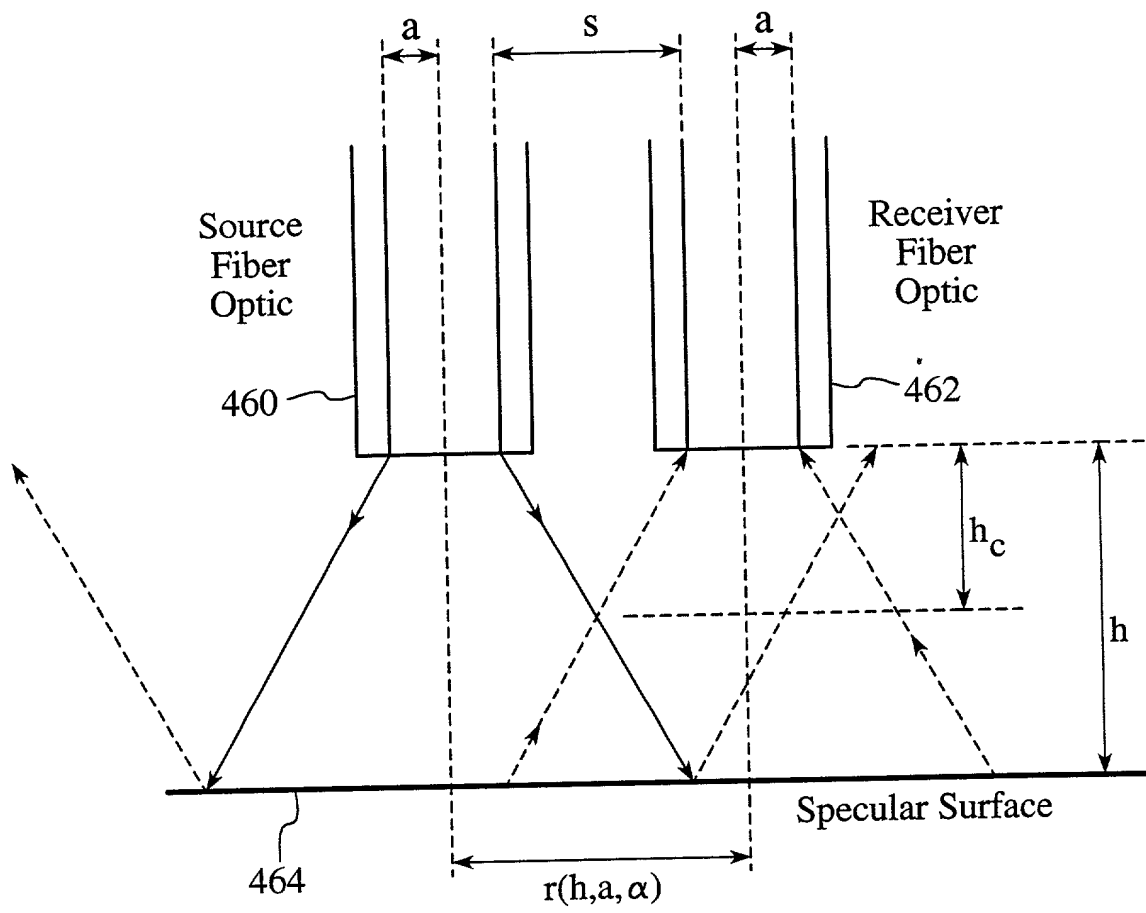


FIG. 29

FIG. 30A

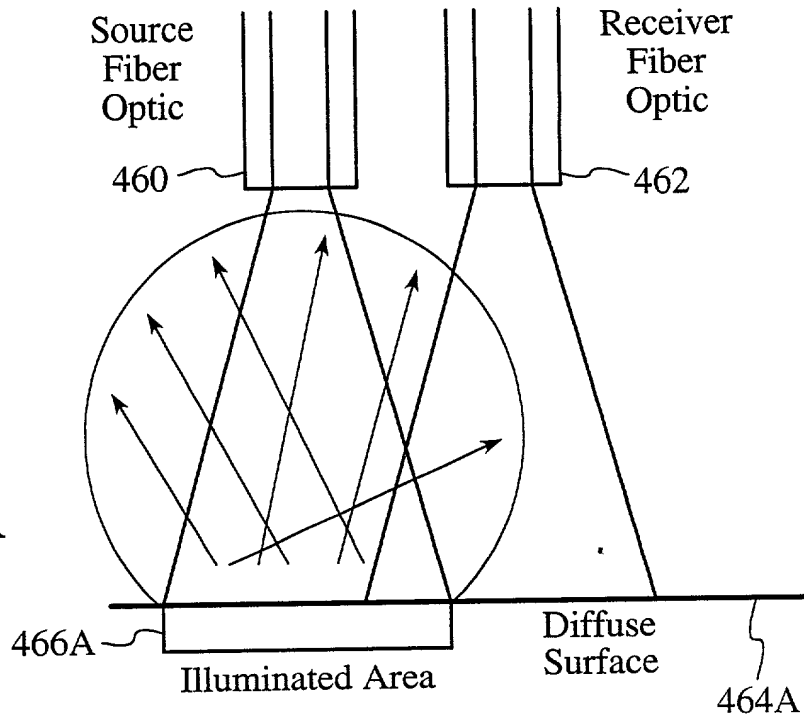
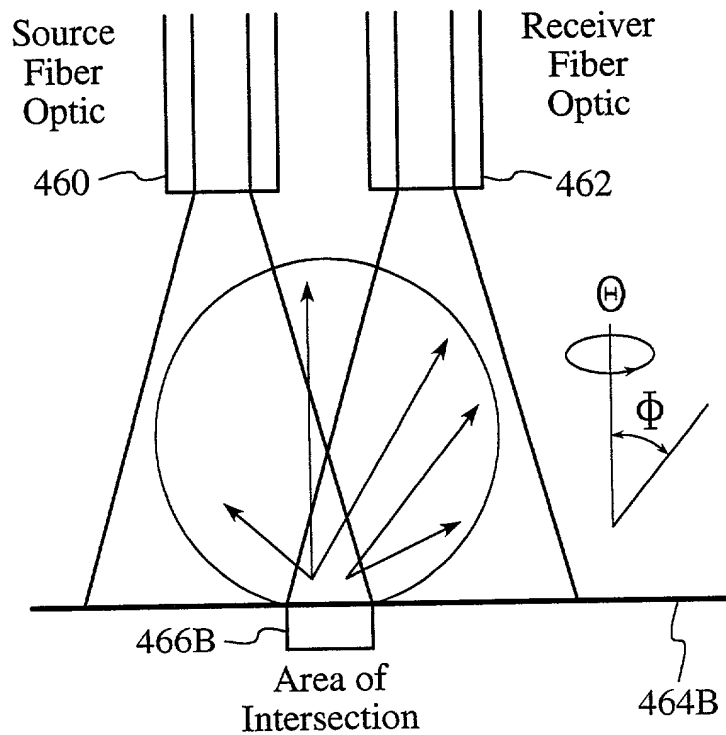


FIG. 30B



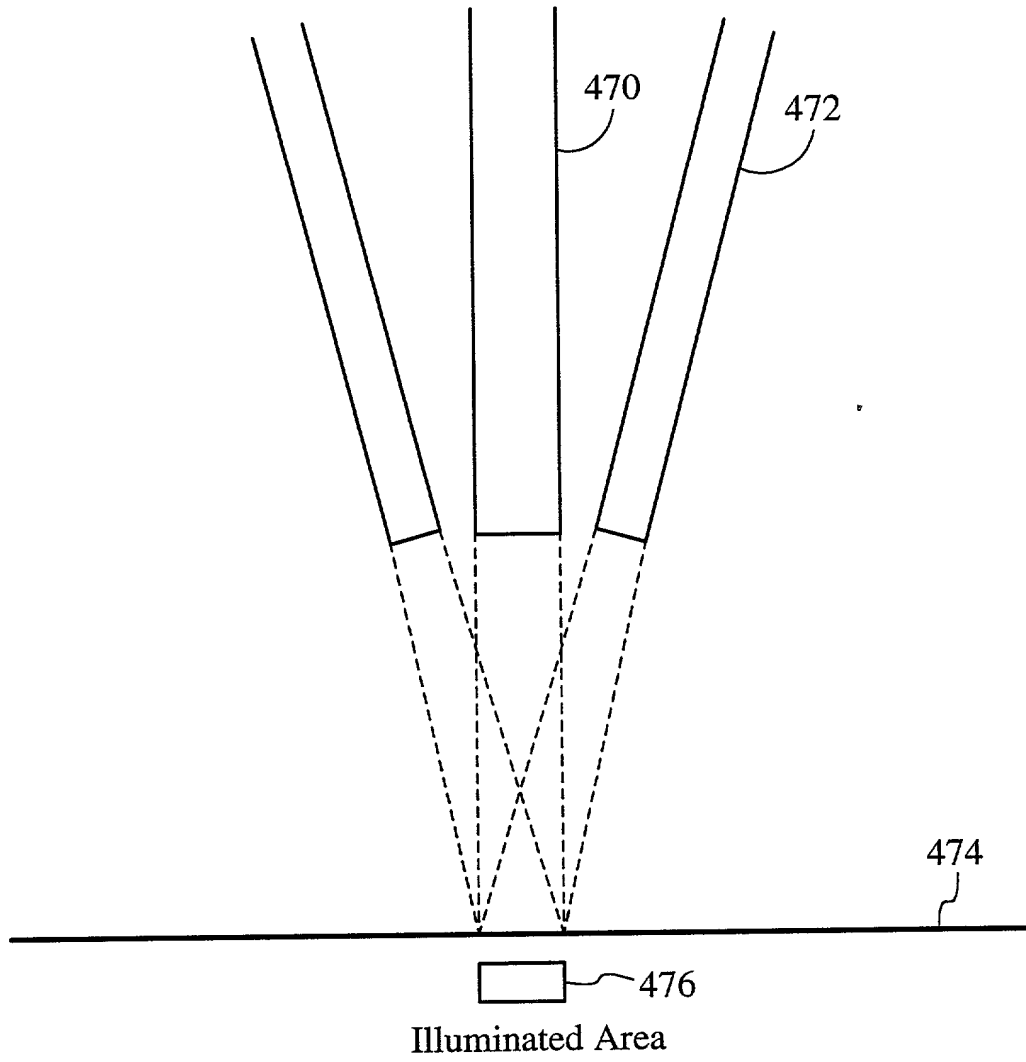


FIG. 31A

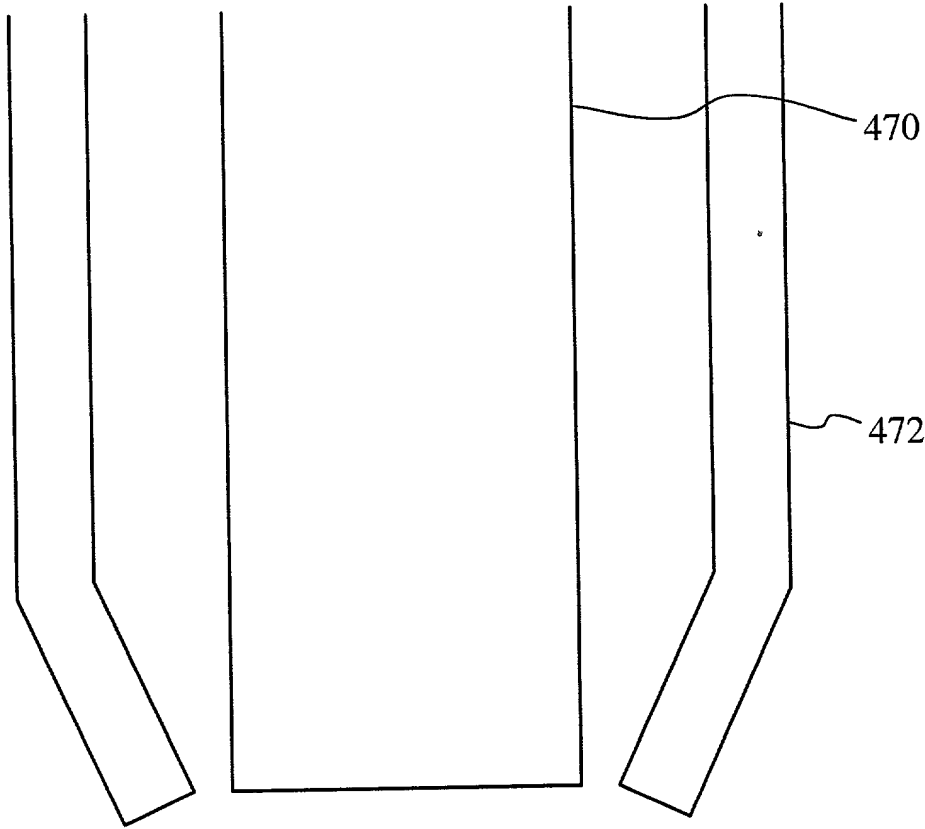


FIG. 31B



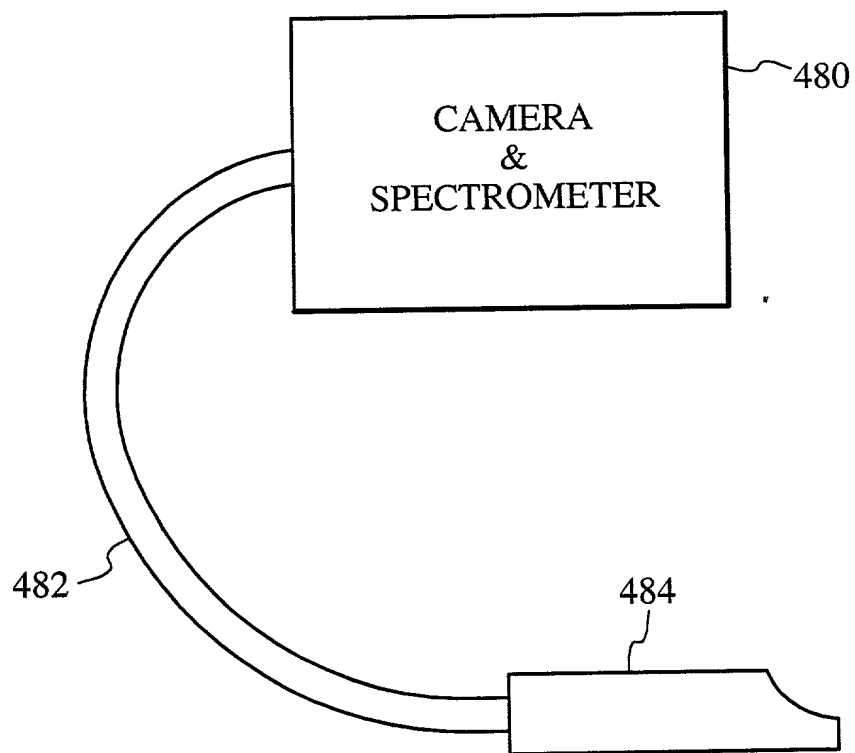


FIG. 32

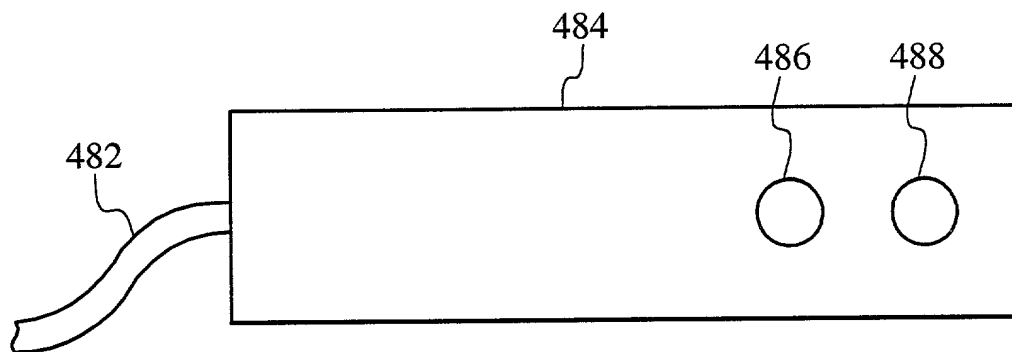


FIG. 33

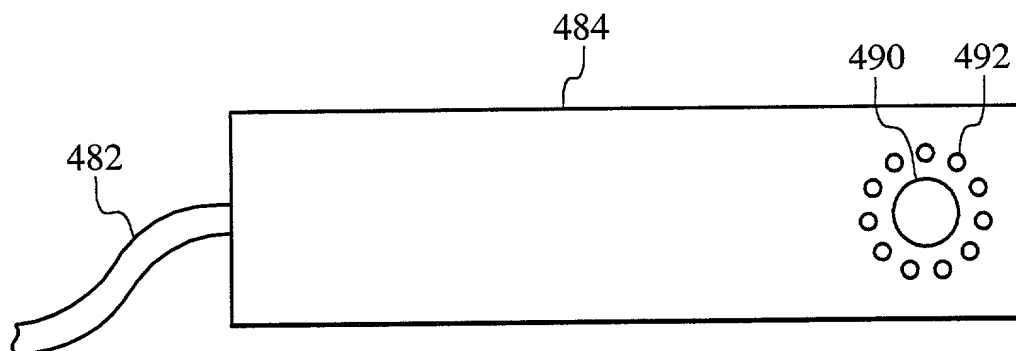


FIG. 34

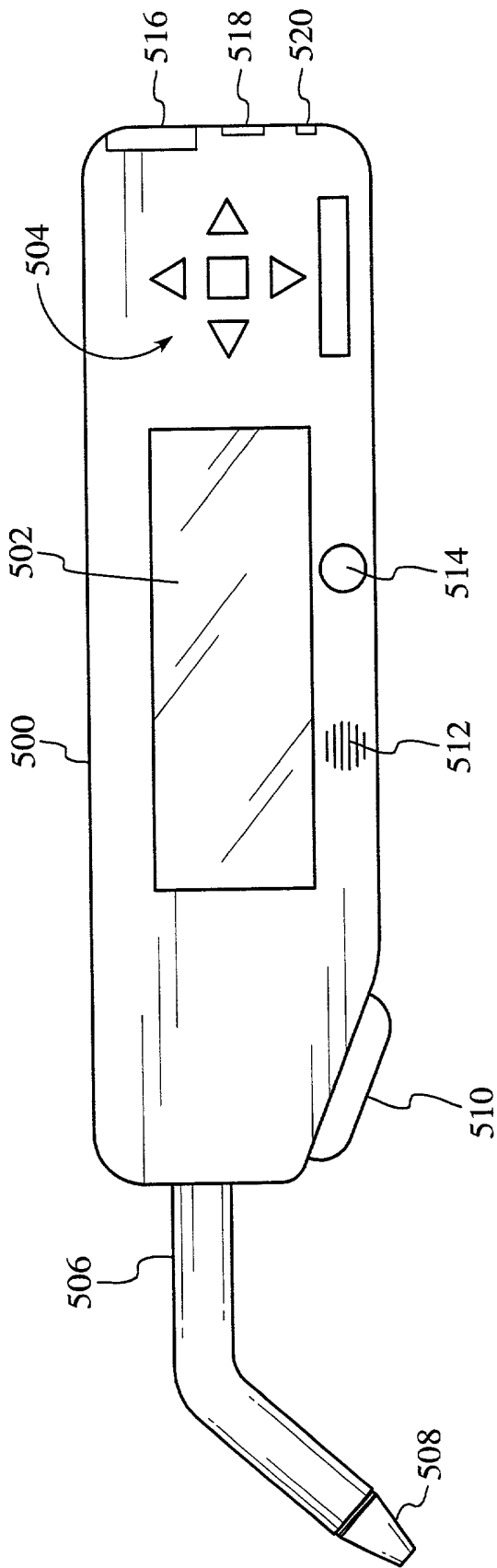
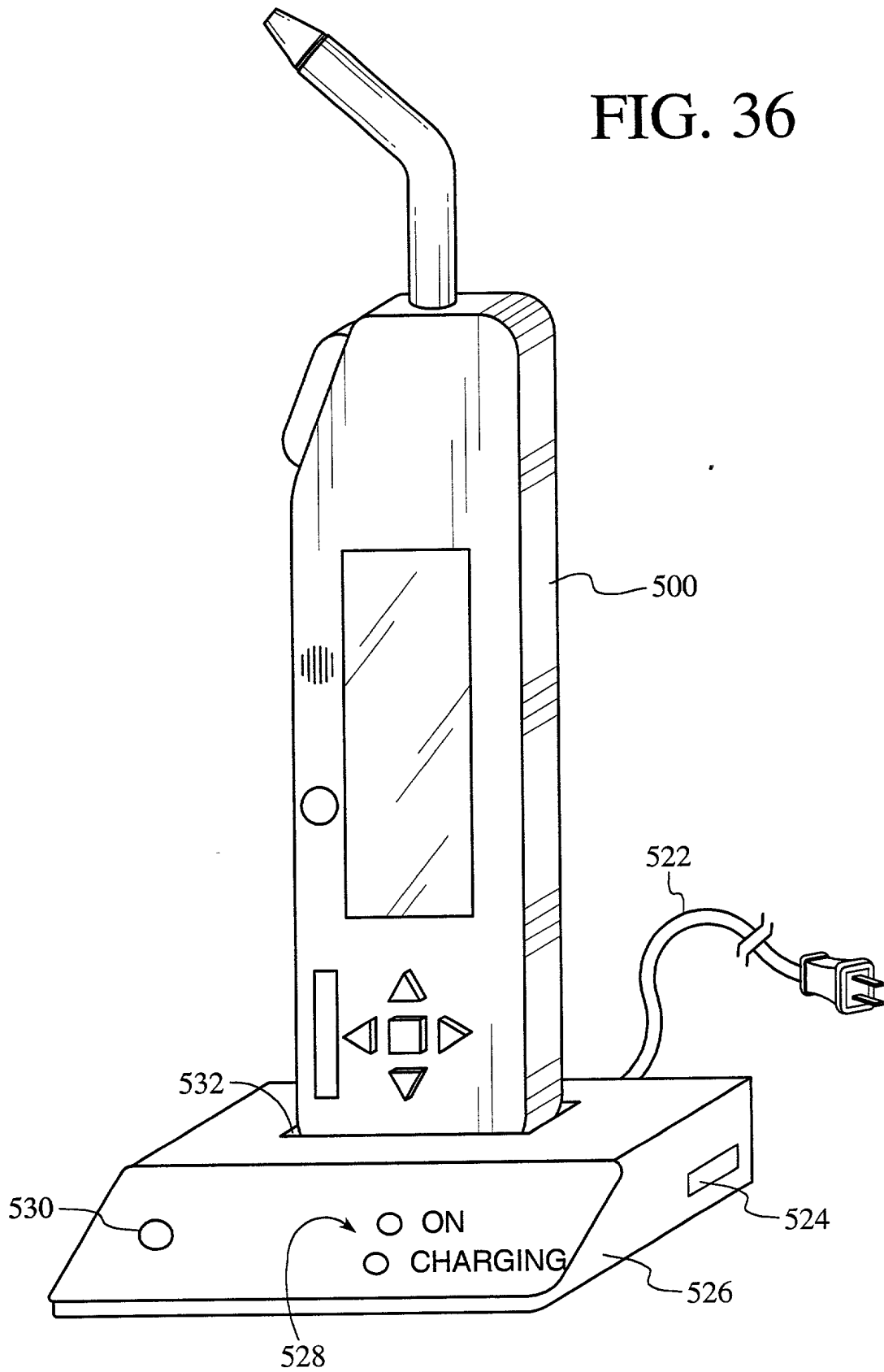
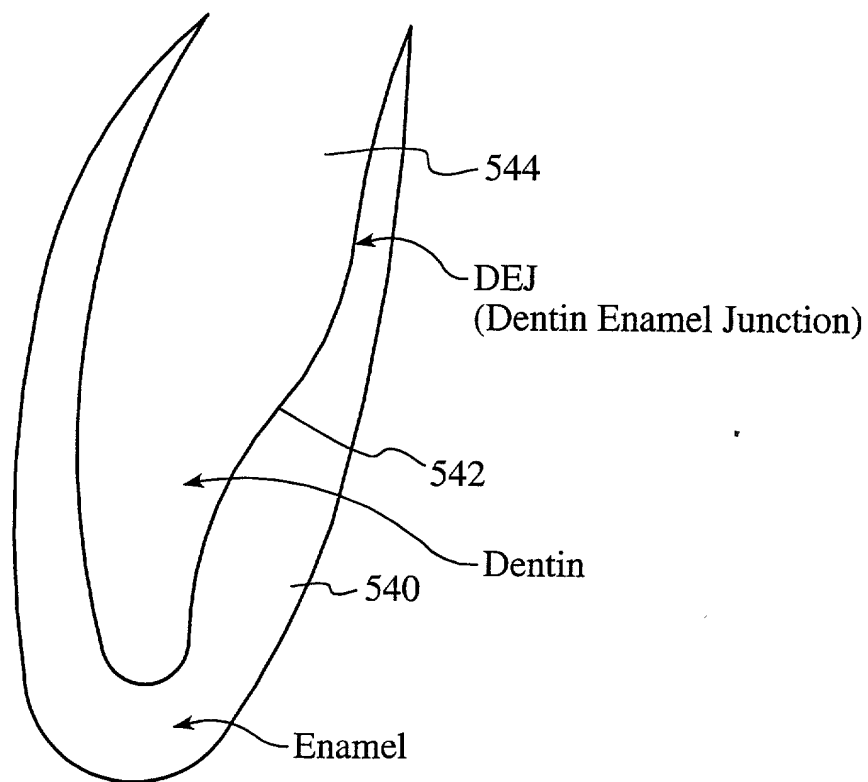


FIG. 35

FIG. 36





Enamel - Dentin Layers

LIGHT REFLECTION AND SCATTERING

FIG. 37A

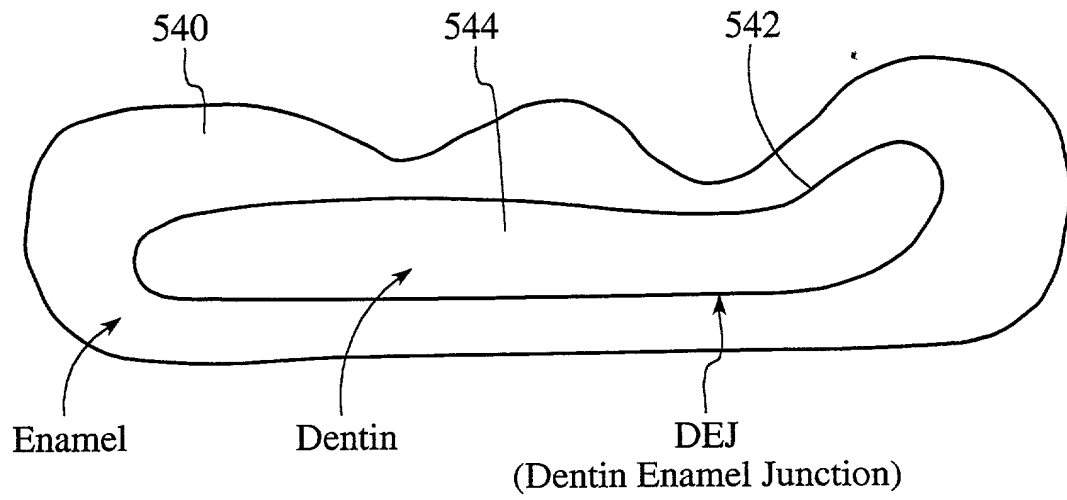
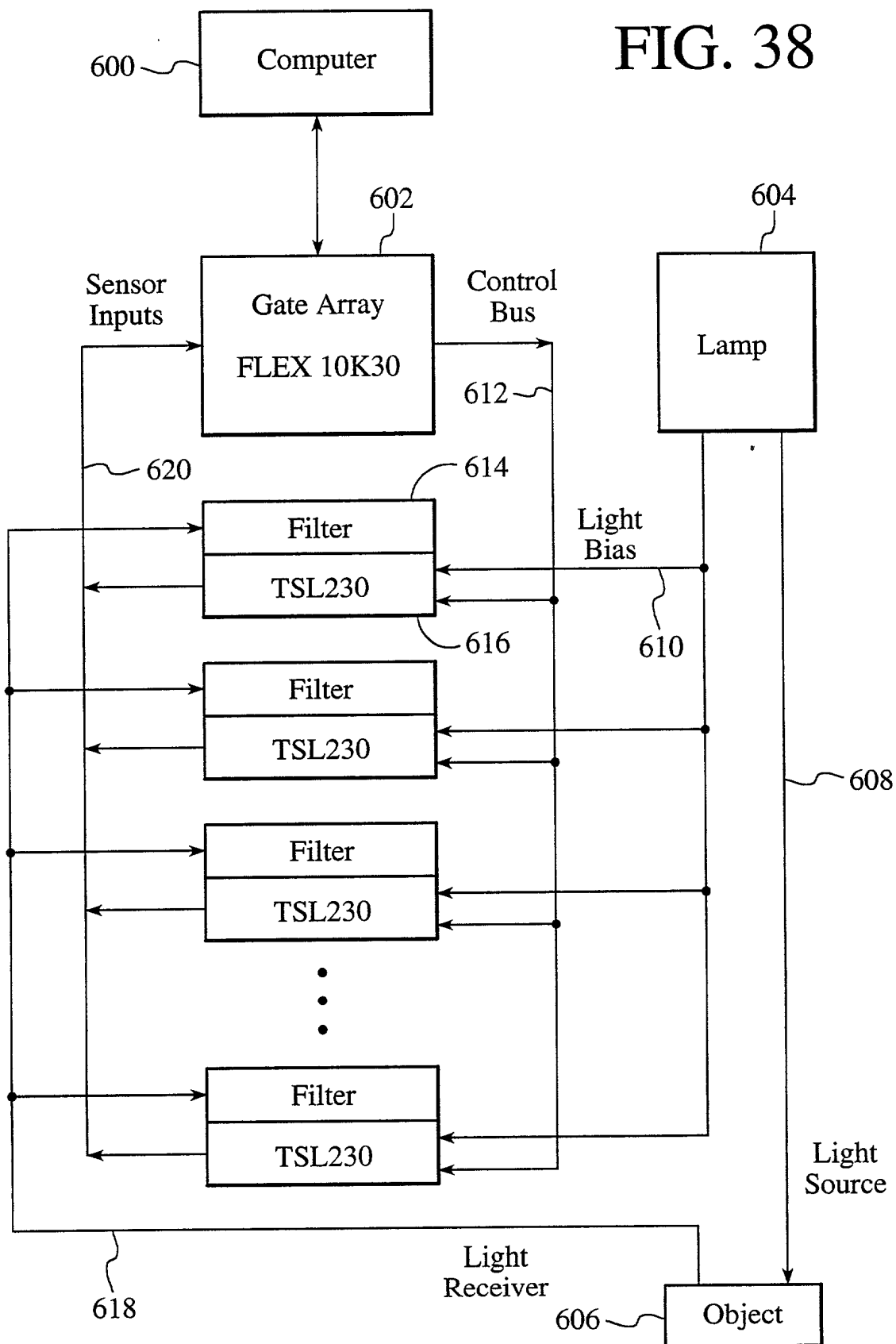


FIG. 37B

FIG. 38



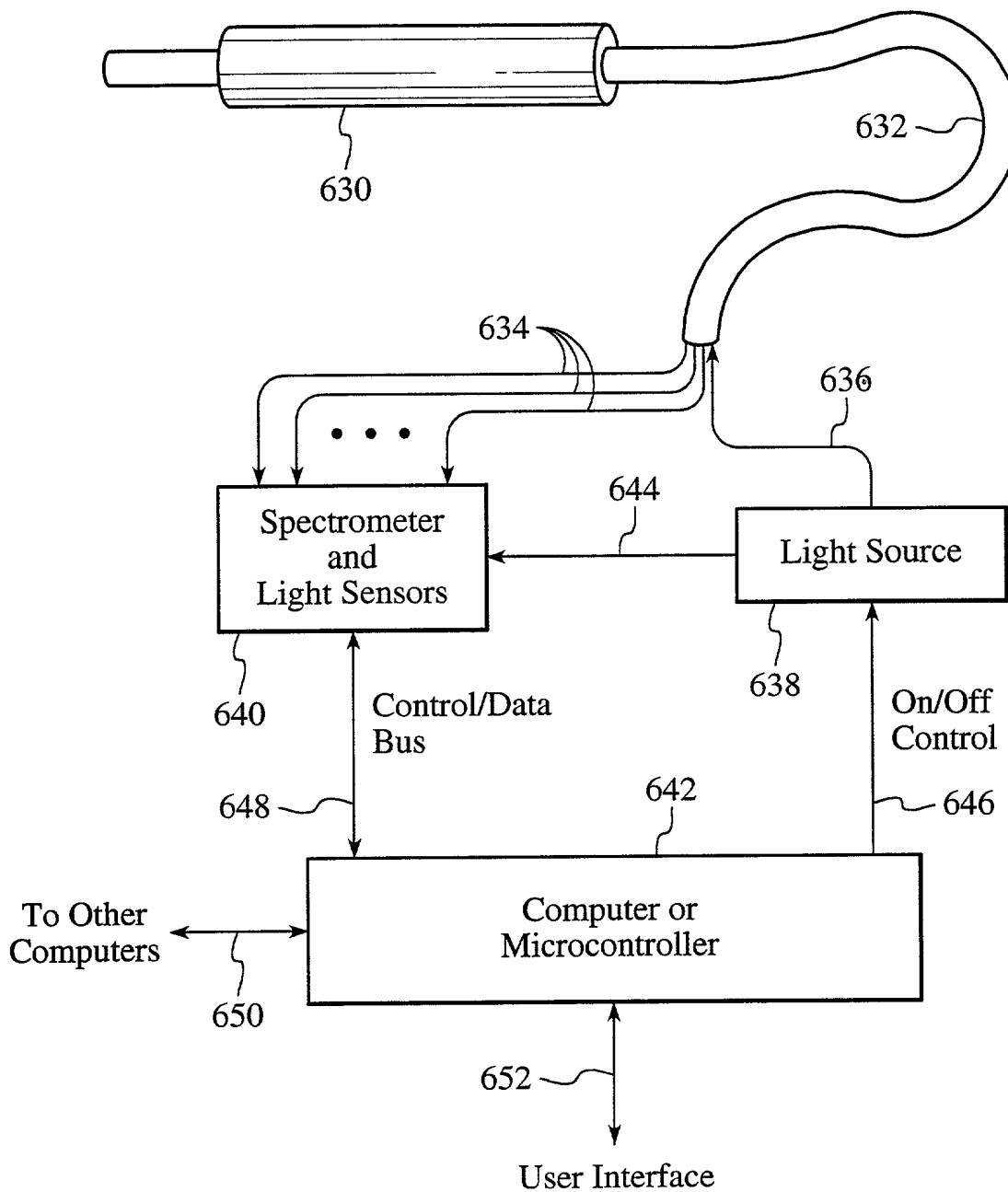


FIG. 39



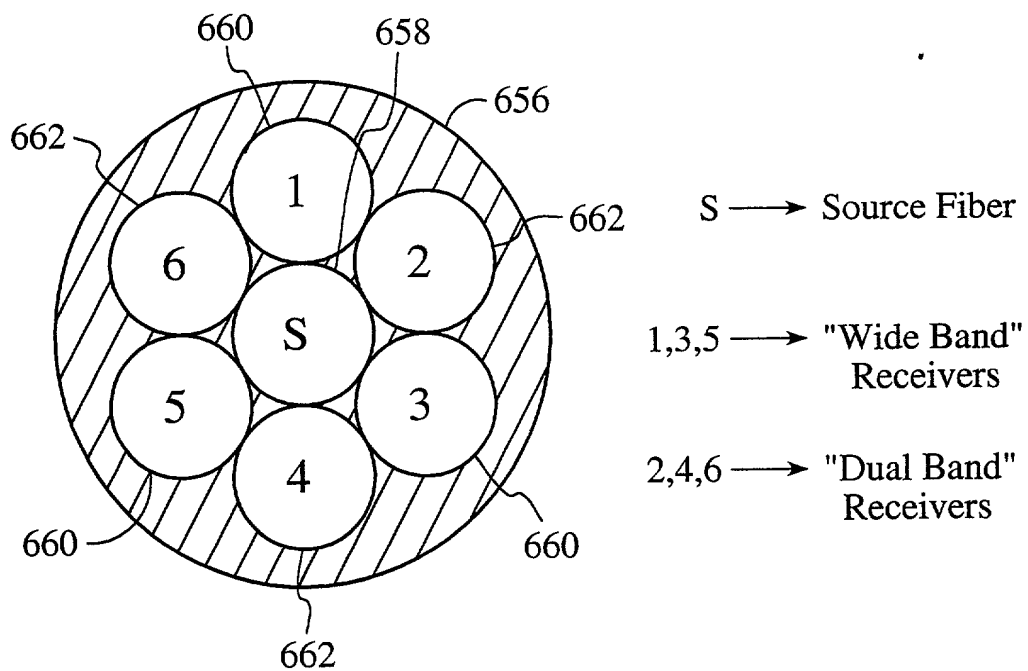


FIG. 40

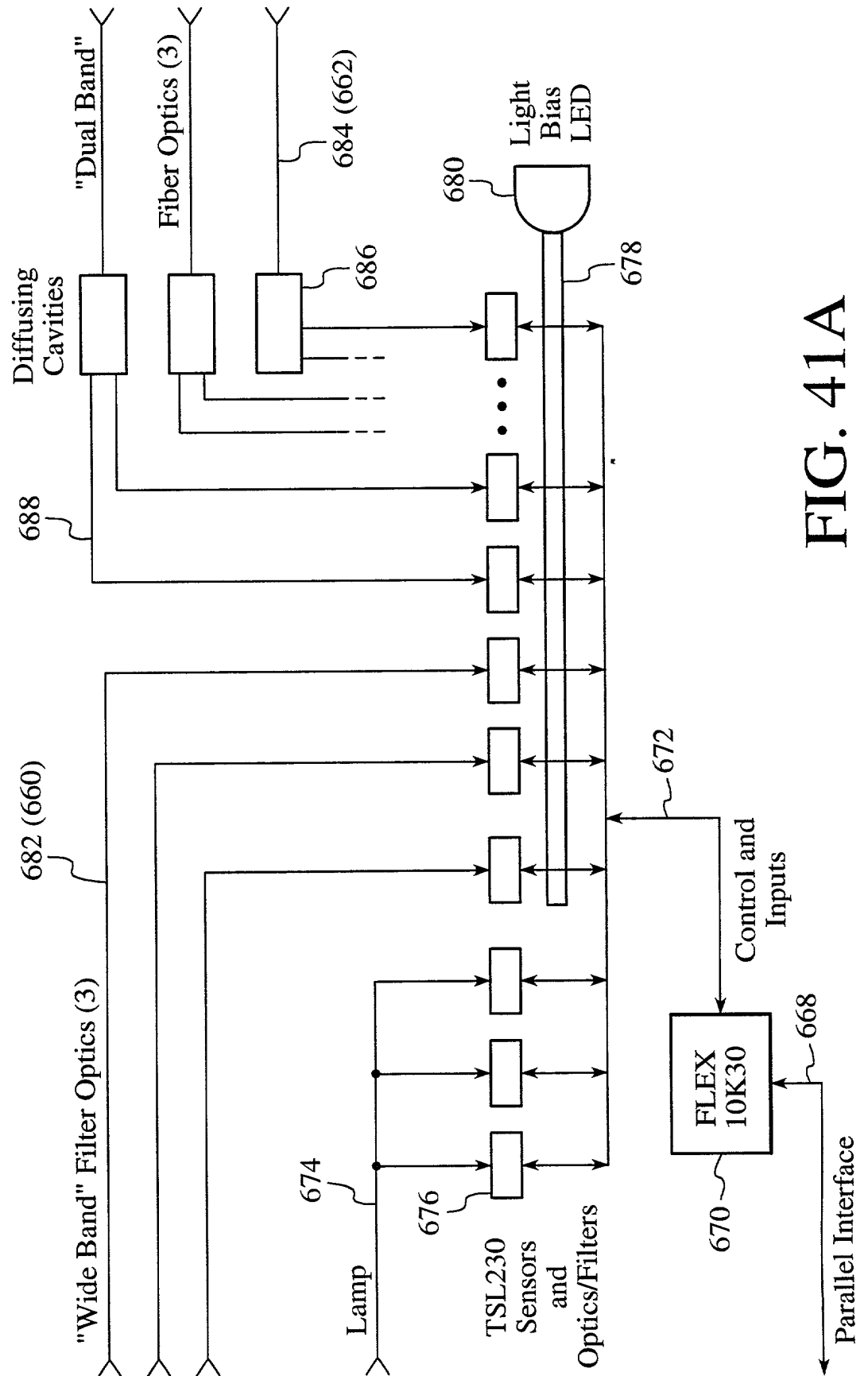


FIG. 41A

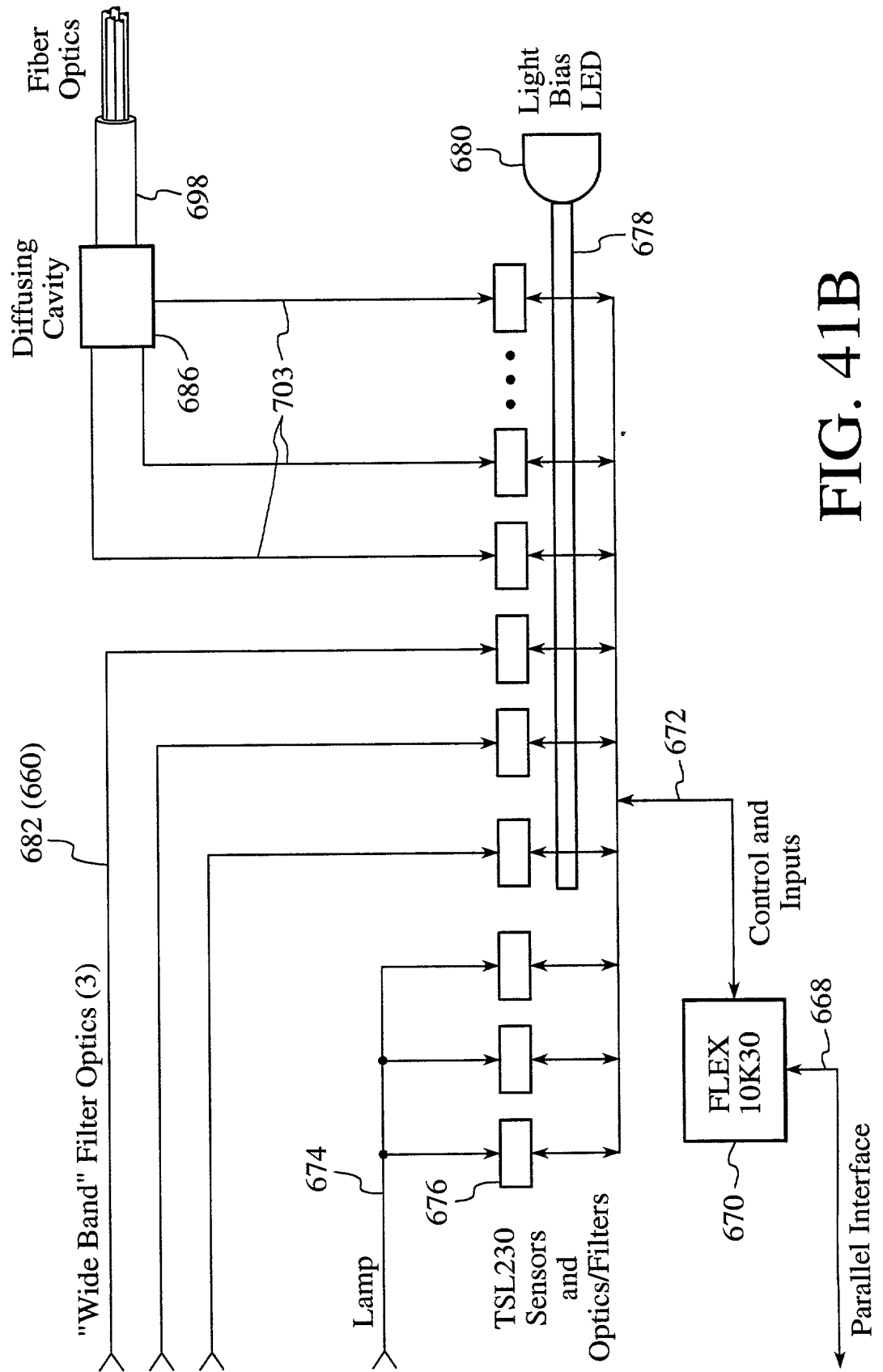


FIG. 41B

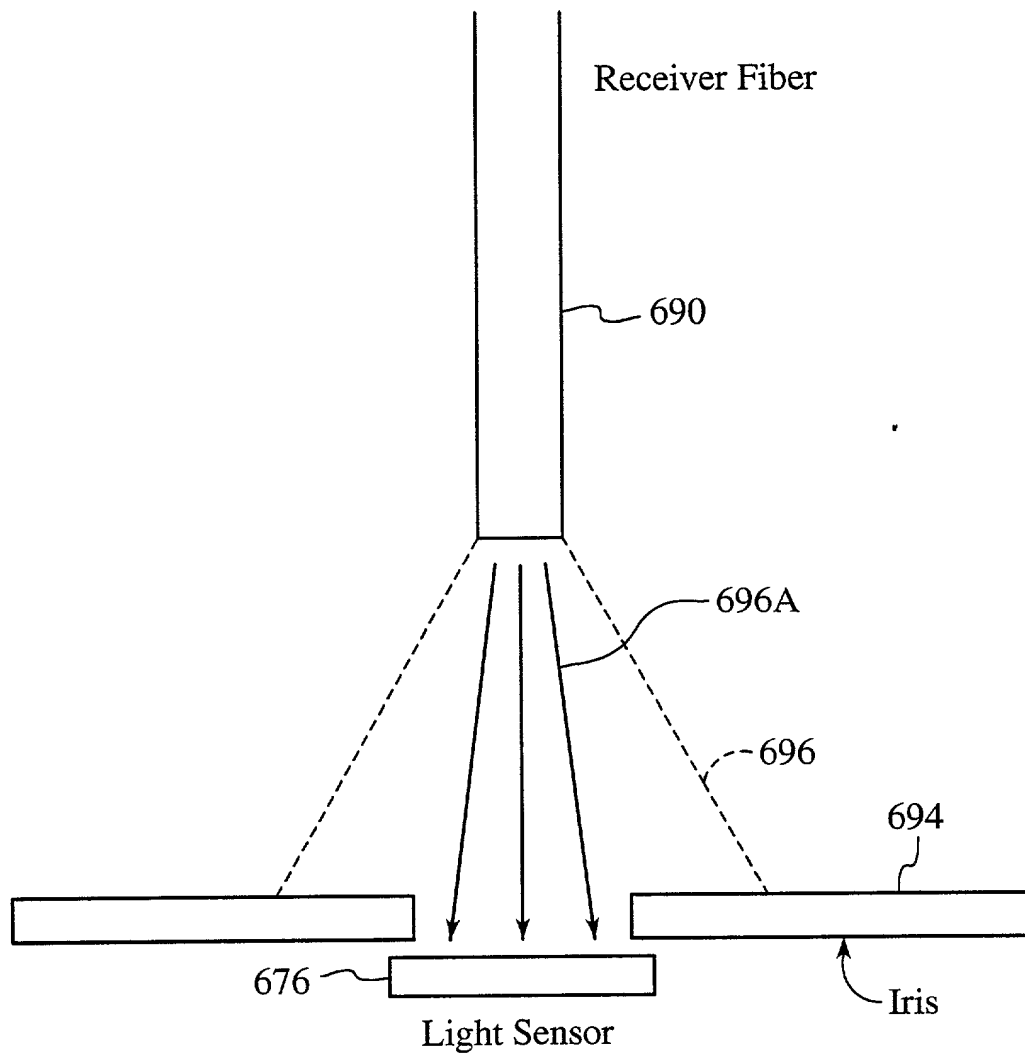


FIG. 42

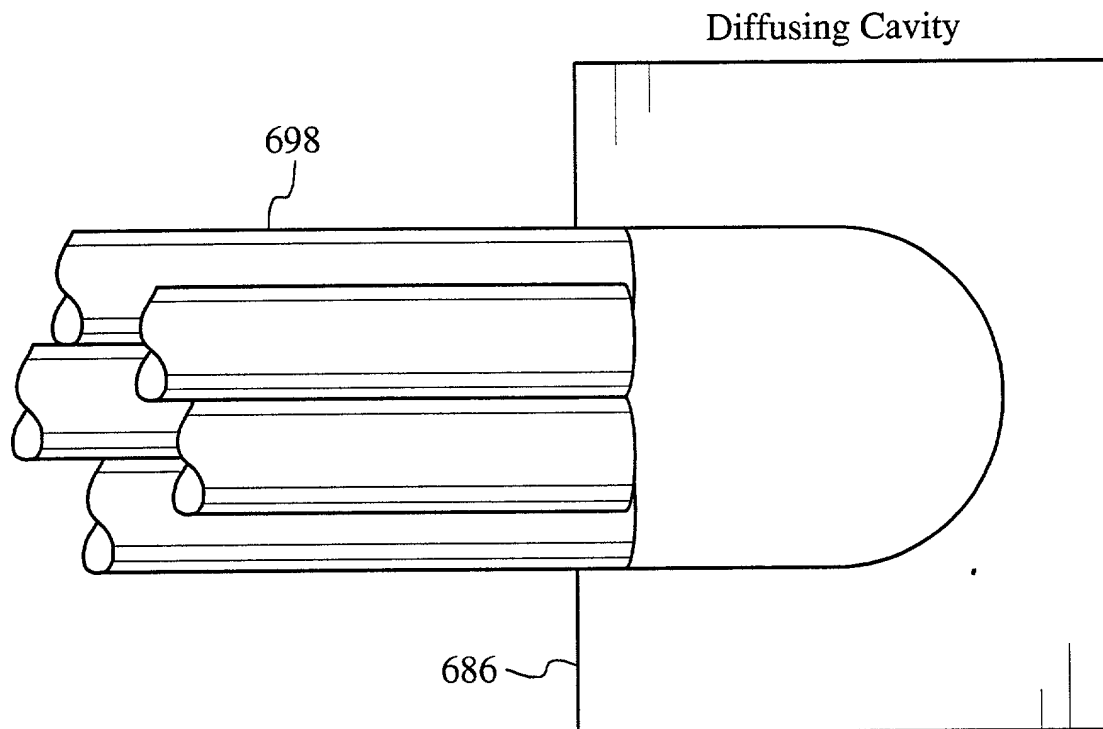


FIG. 43A

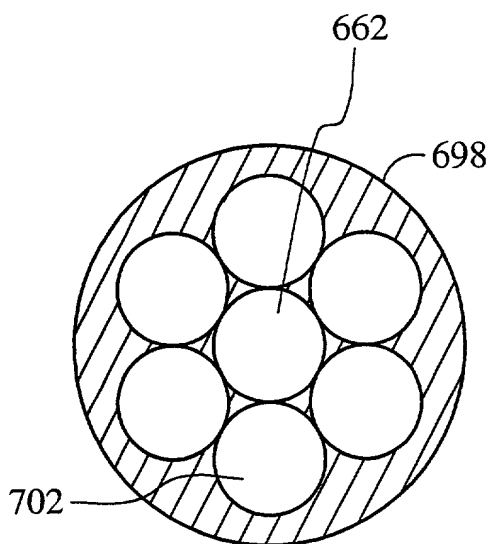


FIG. 43B

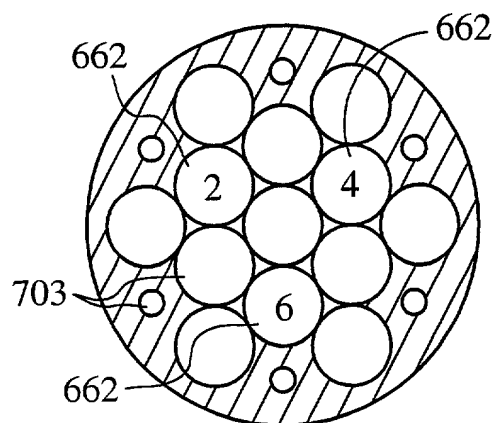


FIG. 43C

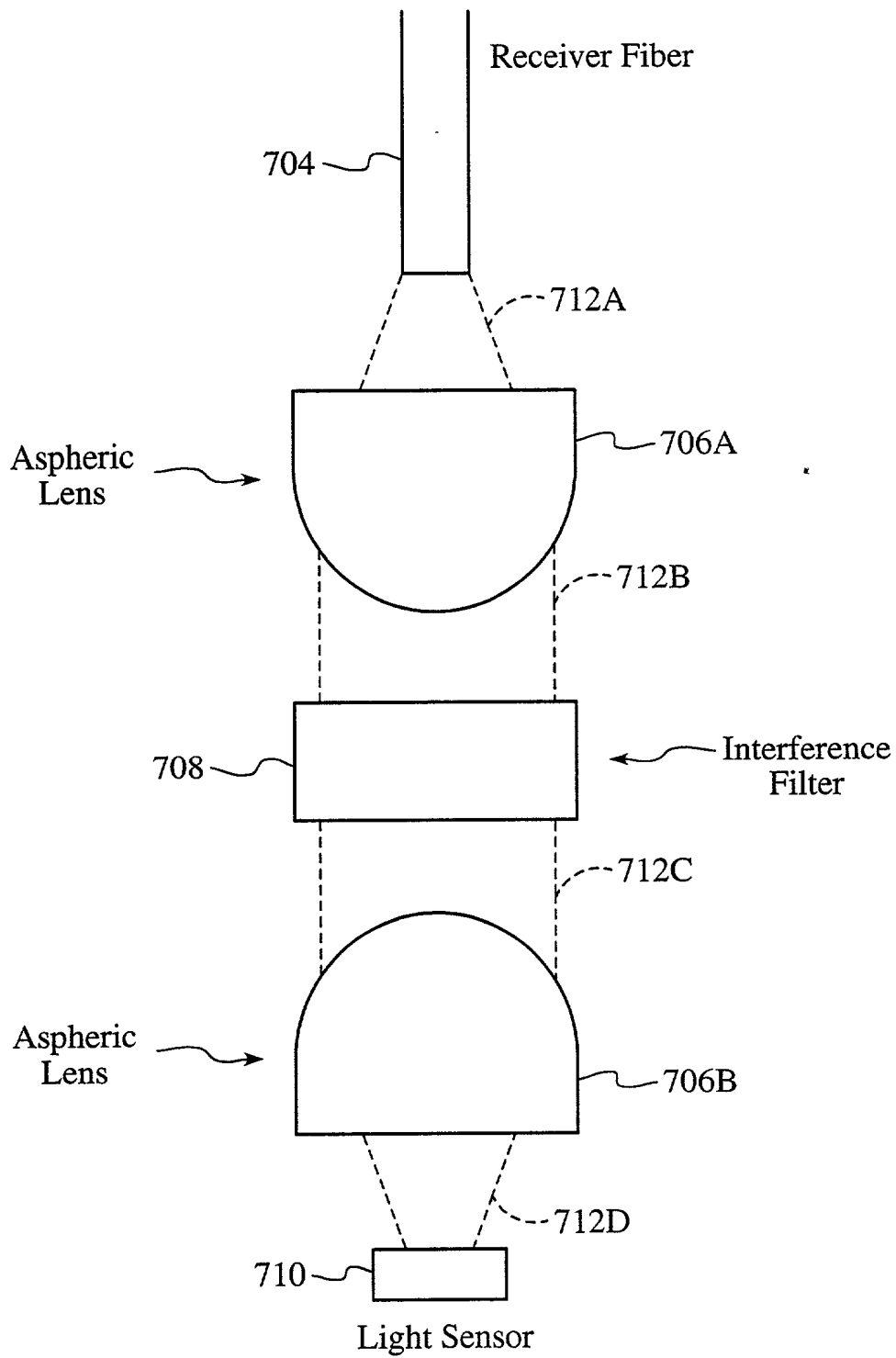


FIG. 44

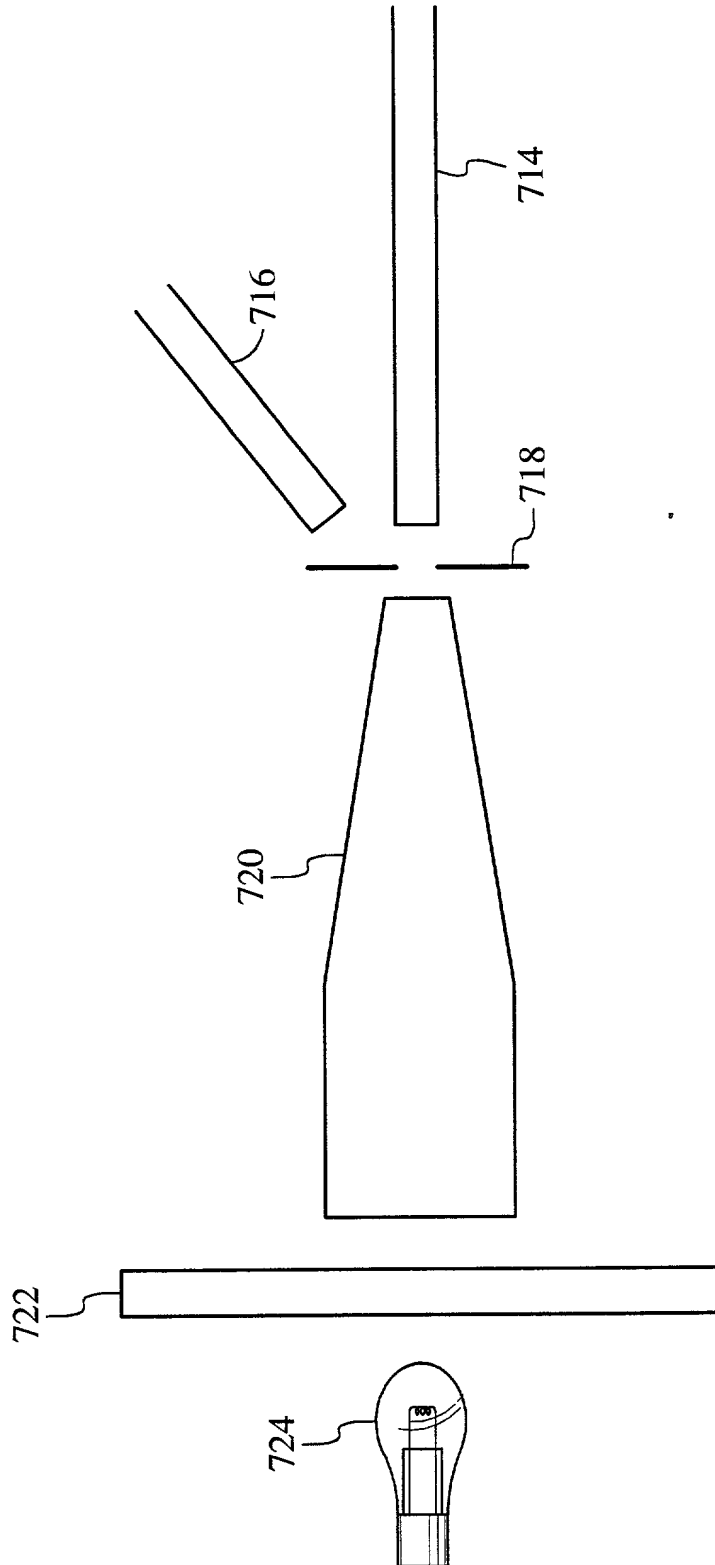


FIG. 45

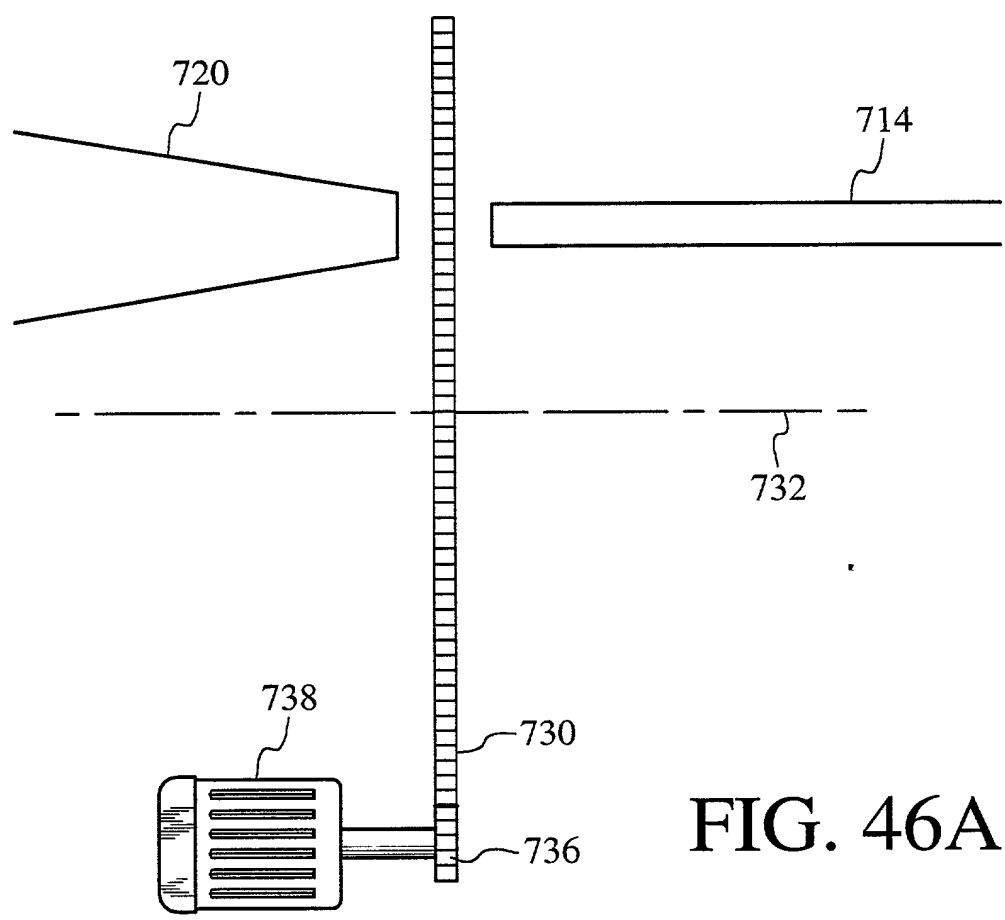


FIG. 46A

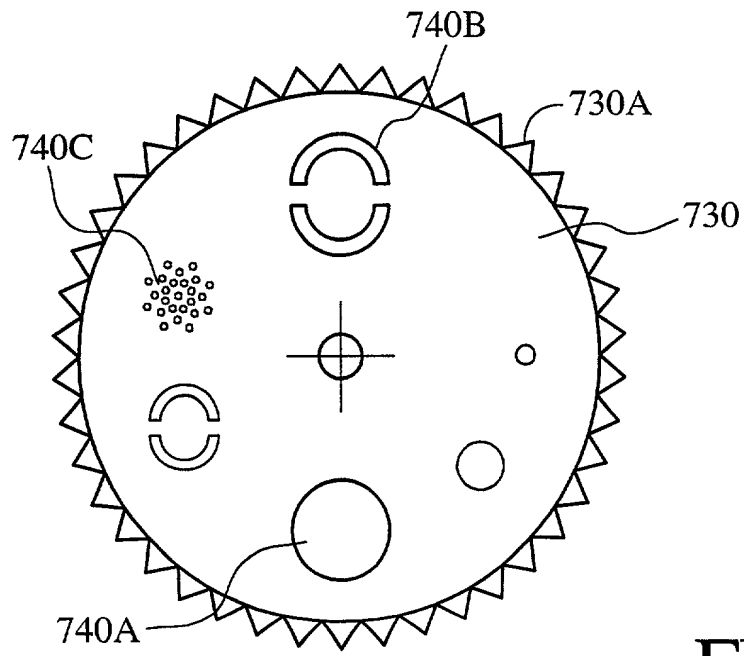


FIG. 46B



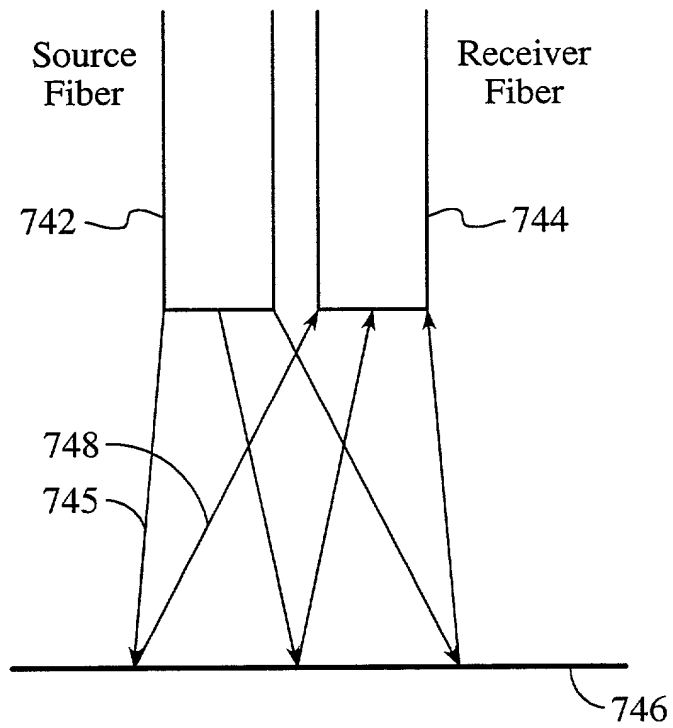


FIG. 47A

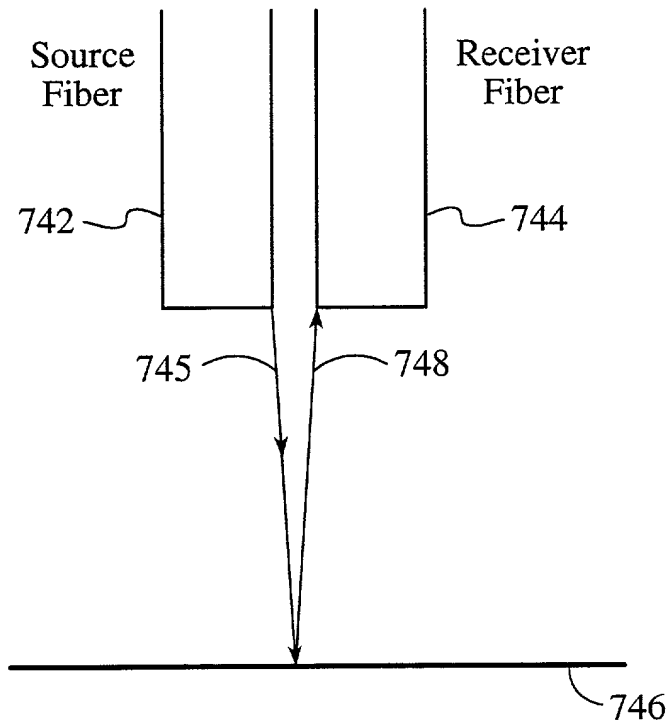


FIG. 47B

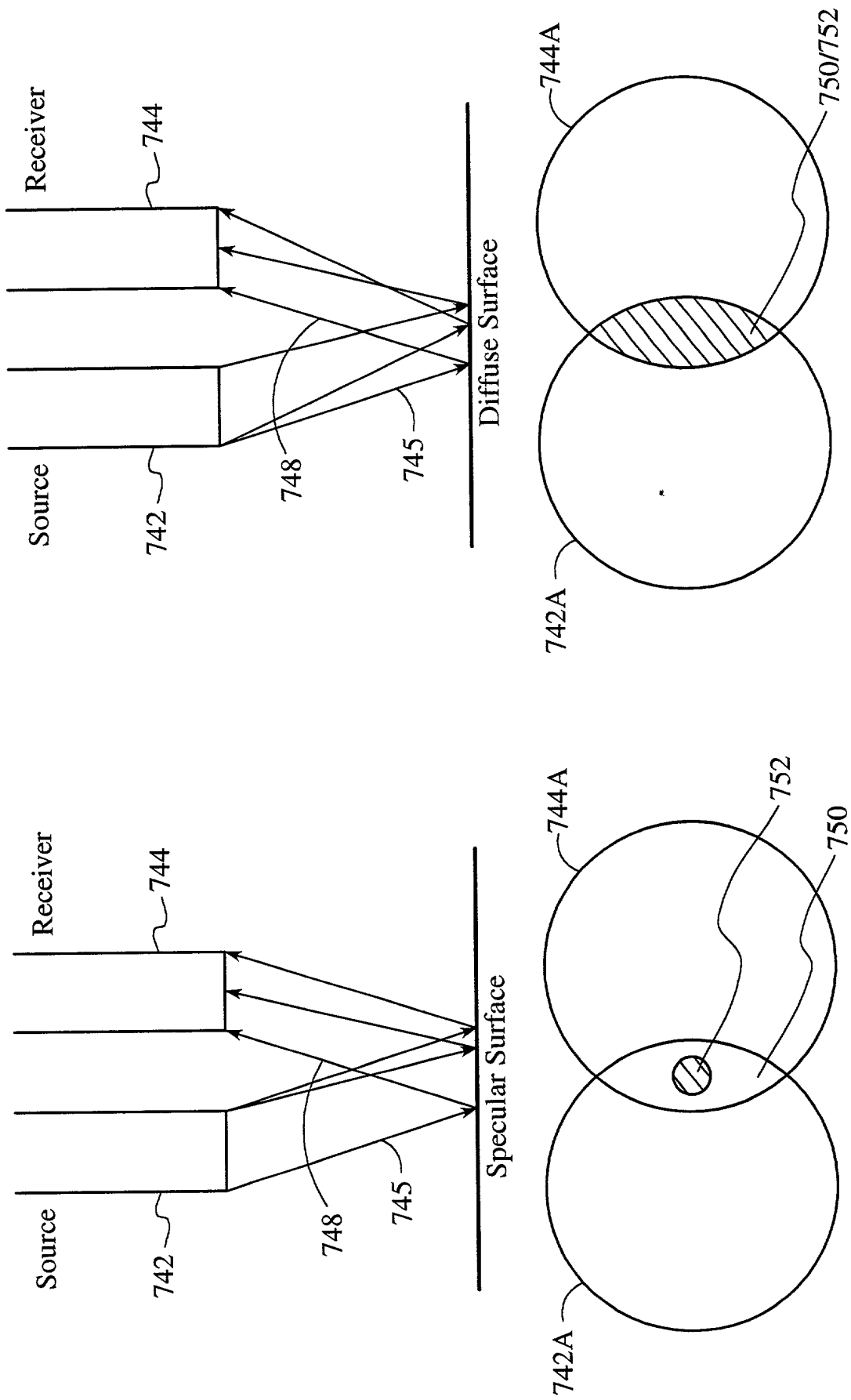


FIG. 48B

FIG. 48A

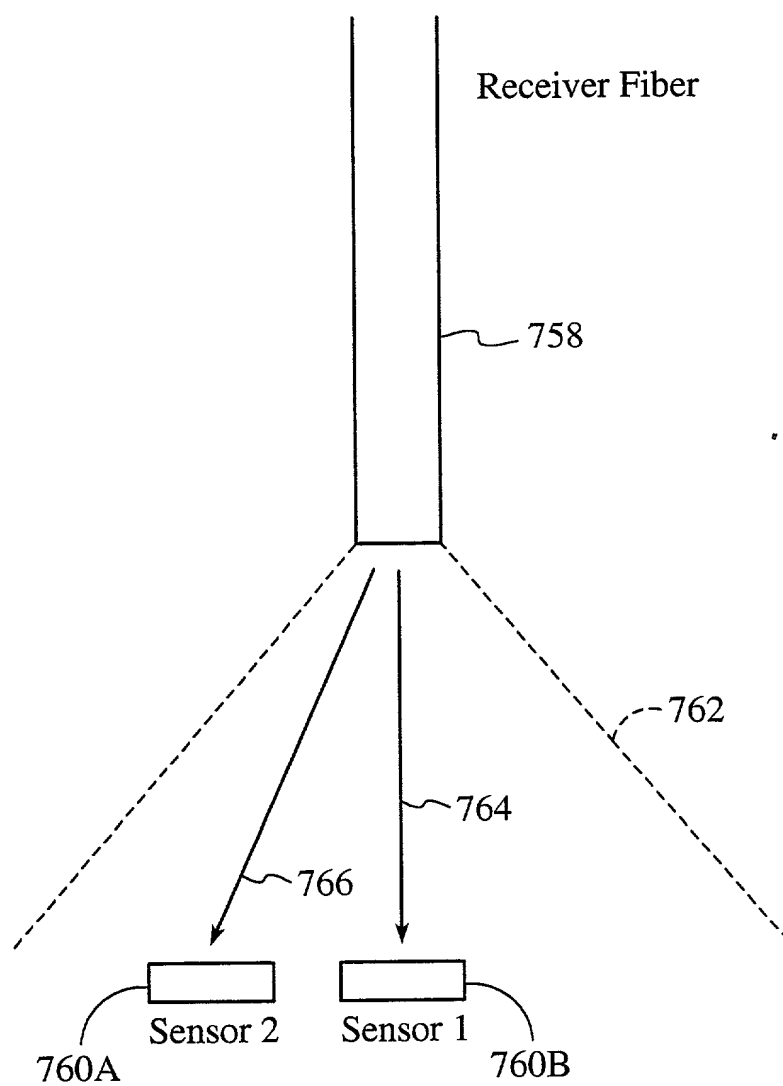


FIG. 49

INTENSITY SPECULAR

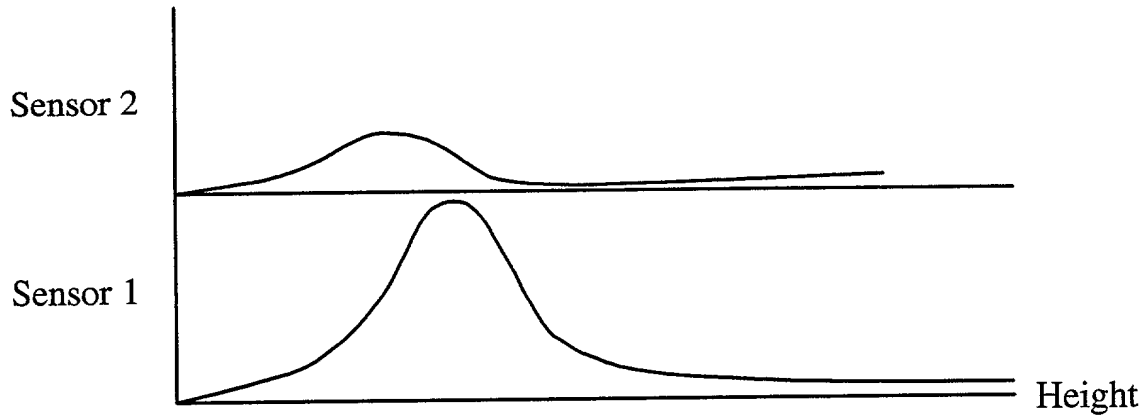


FIG. 50A

INTENSITY DIFFUSE

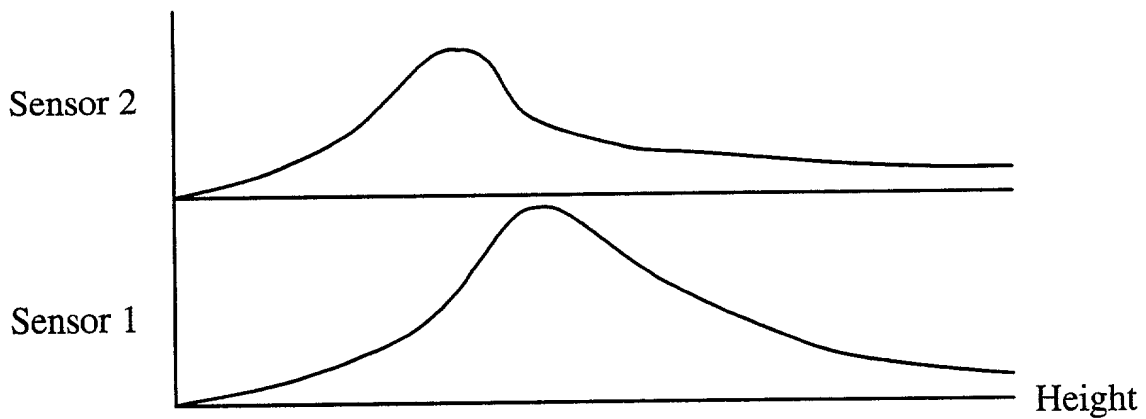
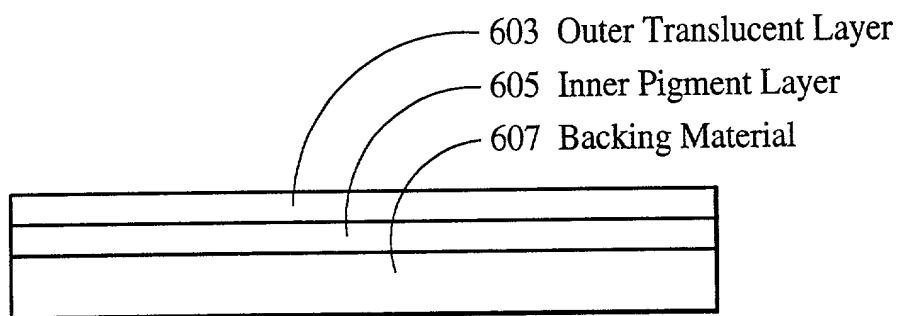


FIG. 50B



601

FIG. 51A

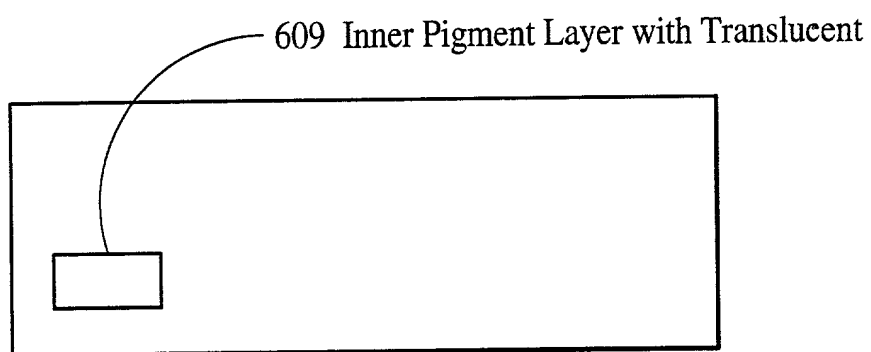
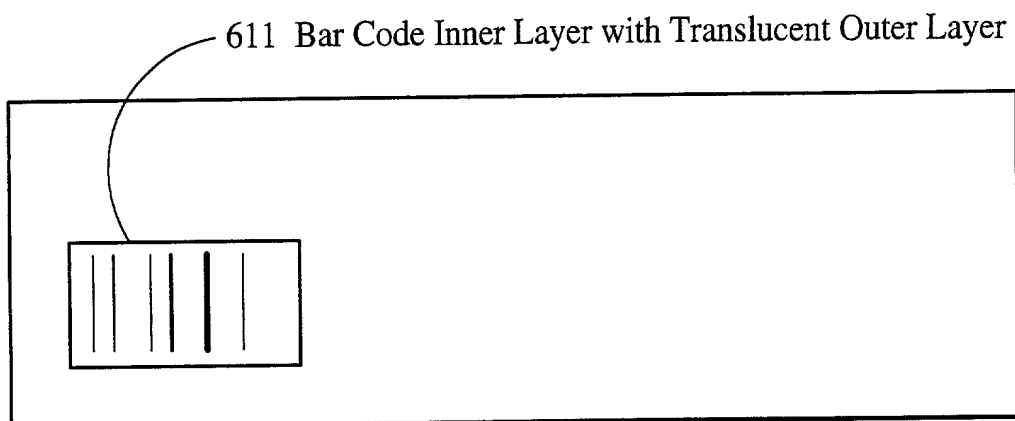


FIG. 51B



601

FIG. 51C

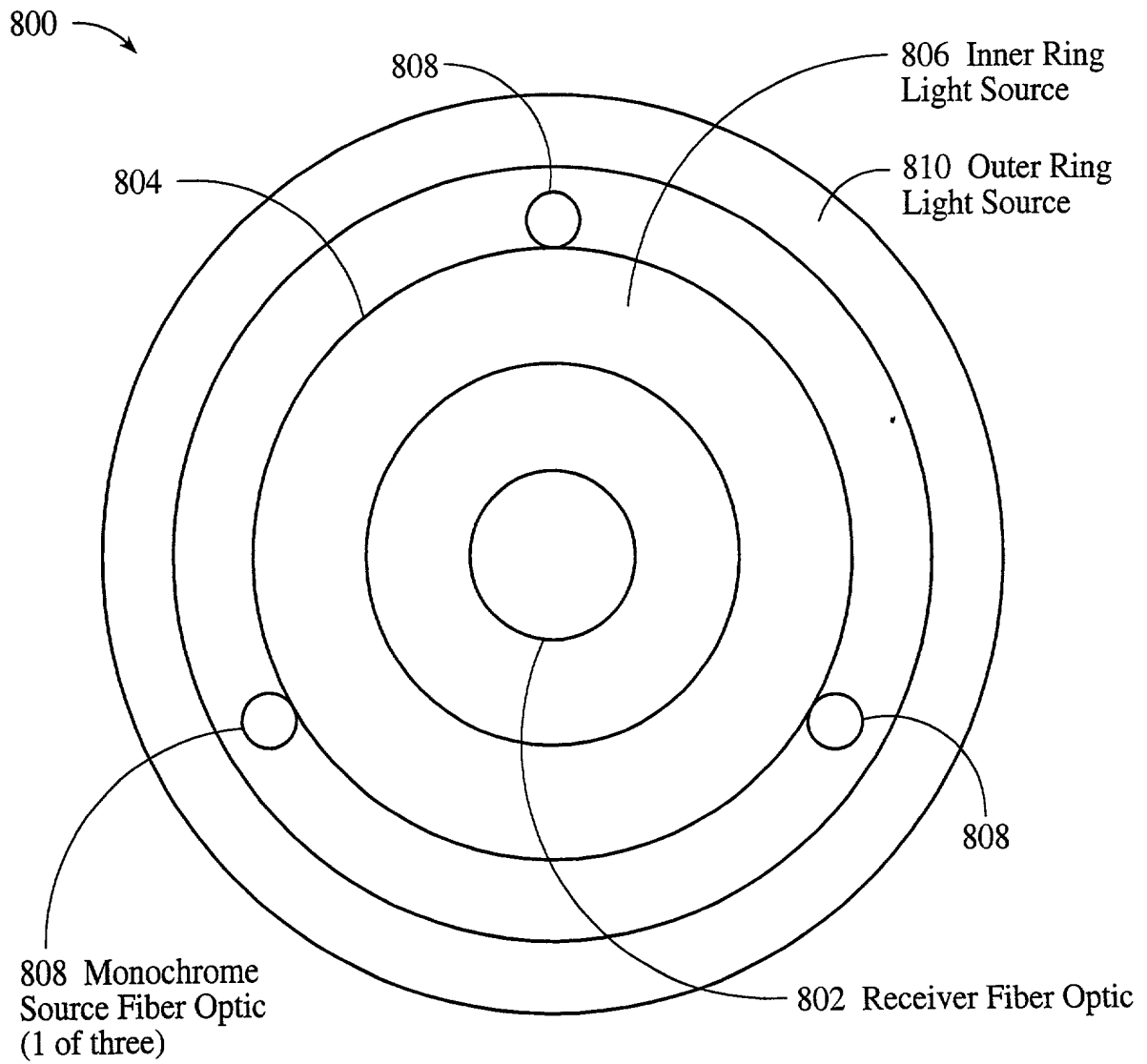


FIG. 52

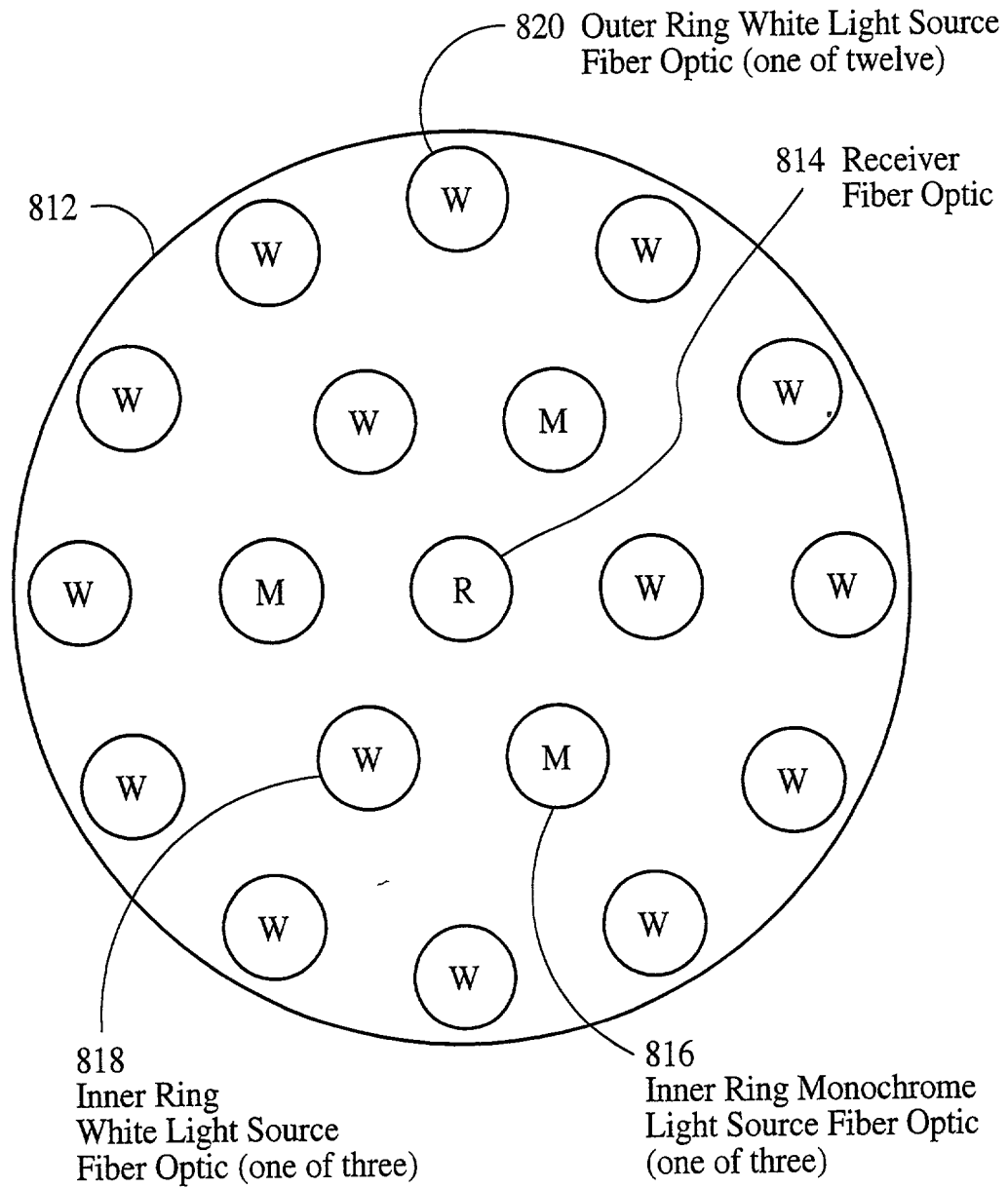


FIG. 53

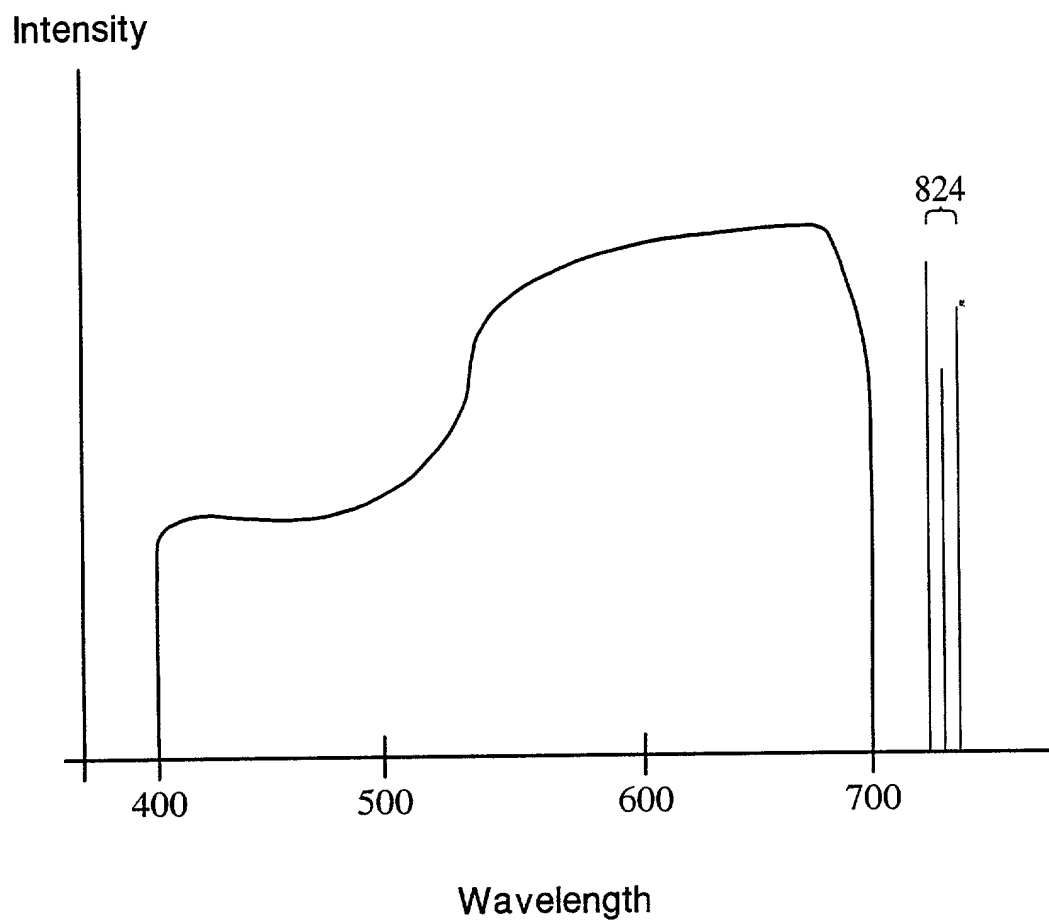


FIG. 54



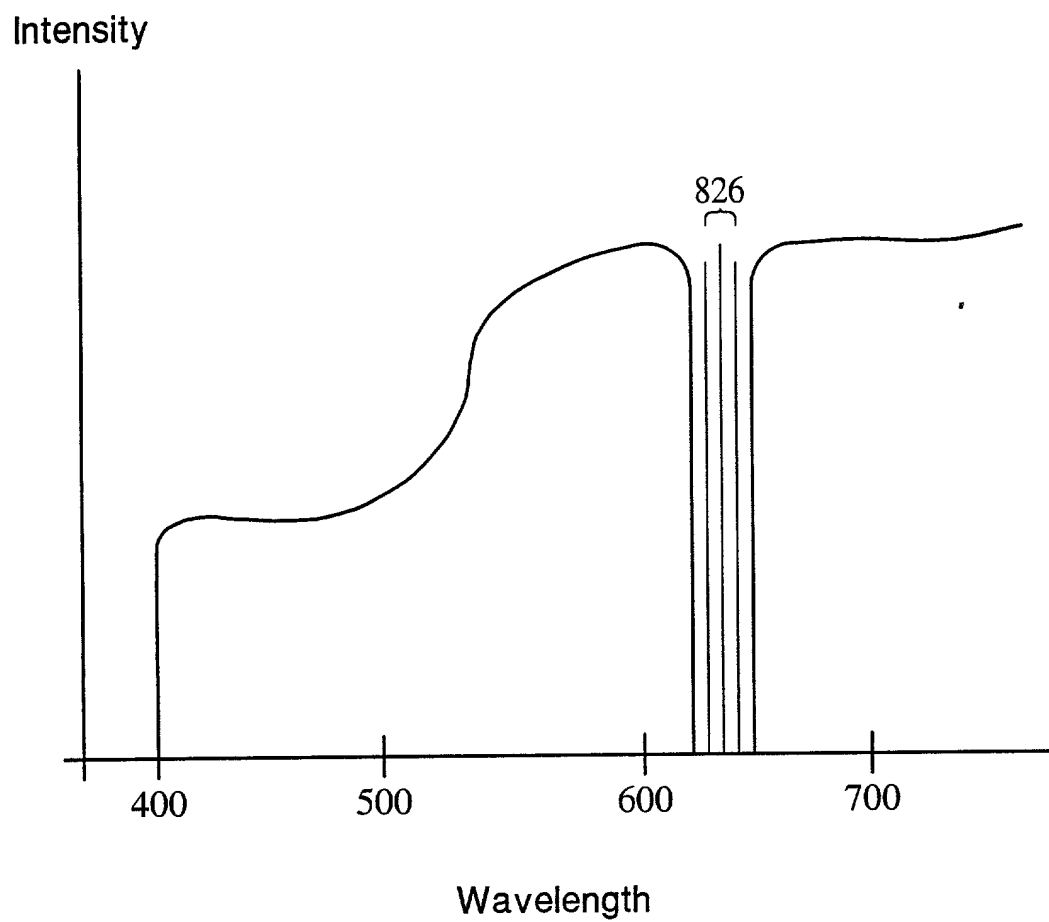


FIG. 55

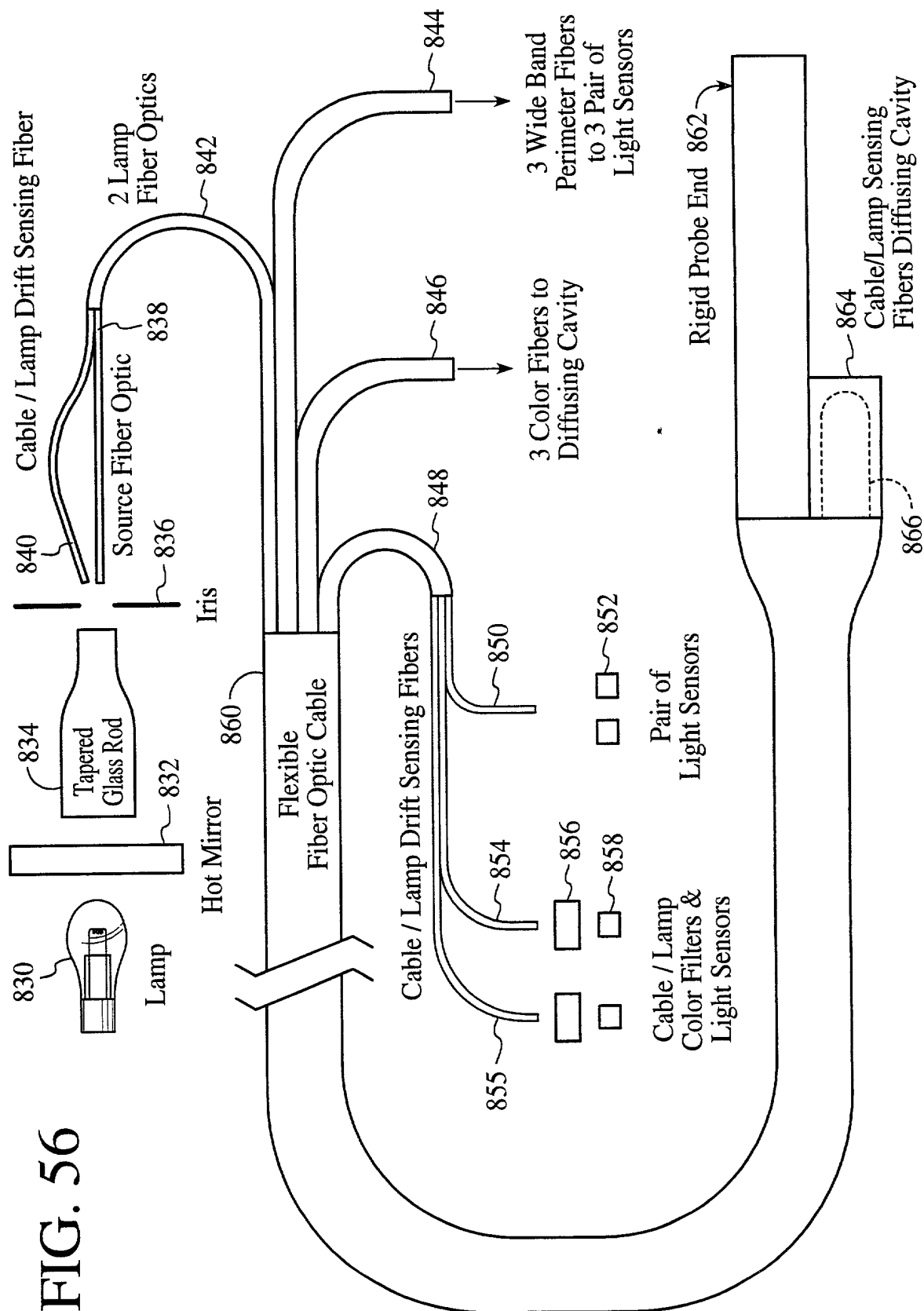


FIG. 56

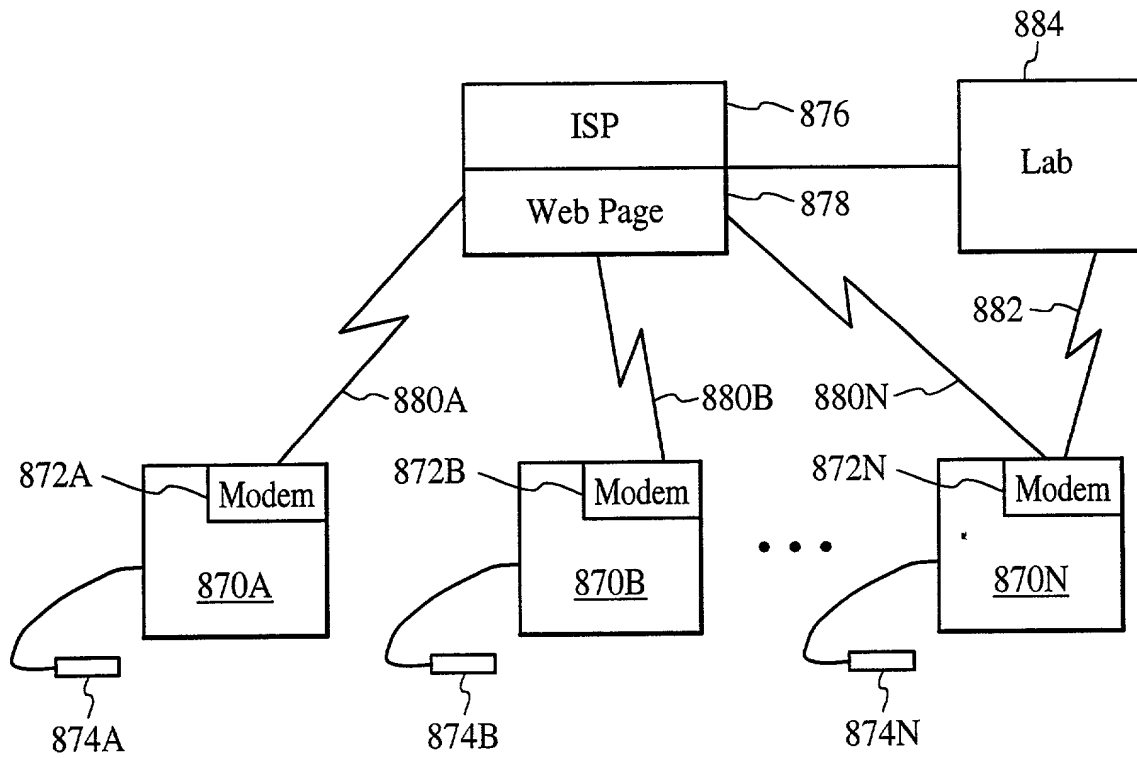


FIG. 57

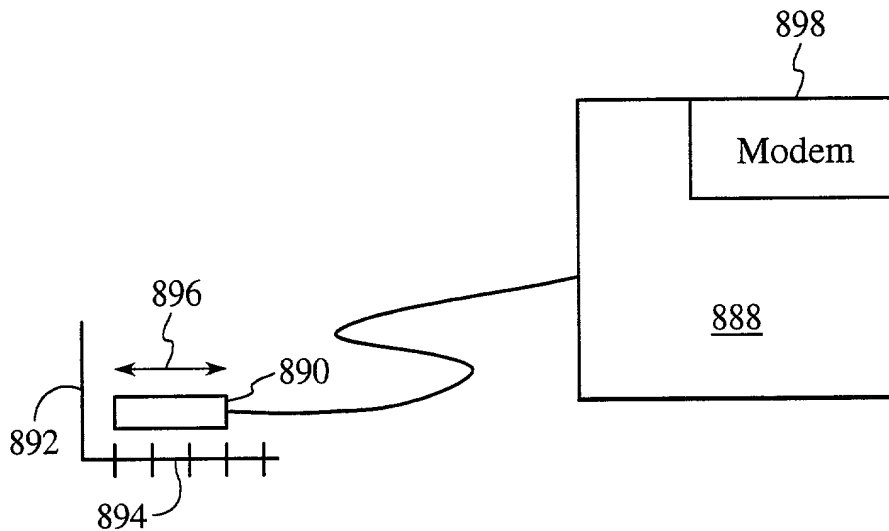


FIG. 58